Please print or type in the unshaded areas only
(fill-in areas are spaced for elite, i.e., 12 characters/inch).

OH000266660

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program
(Read the "General Instructions" before starting)

I. EPA I.D. NUMBER

TN000048

RECEIVED MAR 31 2008 OHIO E.P.A. N.W.D.O.

LABEL ITEMS	
I. EPA I.D. NUMBER	
III. FACILITY NAME	General Motors Powertrain Defiance Plant
V. FACILITY MAILING ADDRESS	26427 State Route 281 East P.O. Box 70 Defiance OH 43512
VI. FACILITY LOCATION	26427 State Route 281 East P.O. Box 70 Defiance OH 43512 Defiance

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete Items I, III, V, and VI *(except VI-B which must be completed regardless)*. Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold-faced terms.**

SPECIFIC QUESTIONS	YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	YES	NO	FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge** to **waters of the U.S.?** (FORM 2A)		X		B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge** to **waters of the U.S.?** (FORM 2B)		X	
C. Is this a facility which currently results in **discharges** to **waters of the U.S.** other than those described in A or B above? (FORM 2C)	X			D. Is this a proposed facility *(other than those described A or B above)* which will result in a **discharge** to **waters of the U.S.?** (FORM 2D)		X	
E. Is this a facility which does not discharge process **wastewater?** (FORM 2E)		X		F. Is this a facility which discharges stormwater associated with industrial activity? (FORM 2F)	X		
S. This space is reserved for FORM 2S							

III. NAME OF FACILITY

General Motors Powertrain Defiance Plant

IV. FACILITY CONTACT

A. NAME & TTILE *(last, first, title)*		B. PHONE *(area code & no.)*
Jahi White	Sr. Environmental Engineer	(419) 784-7403

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

26427 State Route 281 East P.O. Box 70

B. CITY OR TOWN	C. STATE	D. ZIP CODE
Defiance	OH	43512

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

26427 State Route 281 East P.O. Box 70

B. COUNTY NAME

Defiance

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
Defiance	OH	43512	20

EPA Form 3510-1 (Rev. 12/96) CONTINUE ON REVERSE

PAID
Amount $ 200.00 Date 4/10/08
Check # 2353127 Date 4/3/08

REC'D APR 14 2008

NTINUED FROM THE FRONT

I. SIC CODES (4-digit, in order of priority)

A. FIRST		B. SECOND	
321	(specify) Grey Iron Foundry	3315	(specify) Aluminum Casting Foundry
C. THIRD		D. FOURTH	
—	(specify)	—	(specify)

III. OPERATOR INFORMATION

A. NAME	B. Is the name listed in Item VIII-A also the owner?
eneral Motors Coporation; Thomas Neelands	○ Yes ● No

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)			D. PHONE (area code & no.)
F = FEDERAL S = STATE P = PRIVATE	M = PUBLIC (other than federal or state) O = OTHER (specify)	P (specify)	(248) 753-4296

E. STREET OR P.O. BOX

000 Centerpoint Parkway

F. CITY OR TOWN	G. STATE	H. ZIP CODE	IX. INDIAN LAND
Pontiac	MI	48341	Is this facility located on Indian lands? ○ Yes ● No

ISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to surface water)	D. PSD (Air emissions from proposed sources)	
2IN00004*HD	03-20-01-0001	
B. UIC (Underground injection of fluids)	E. OTHER (specify)	
N/A	Land Fill License	(specify) Solid Waste Facility License Class III
C. RCRA (Hazardous waste)	F. OTHER (specify)	
OHD005050273	N/A	(specify)

I. MAP

Attach to this application a topographical map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements. ● Yes ○ No

II. NATURE OF BUSINESS (provide a brief description)

duction facility for manufacture of aluminum, grey, malleable, and nodular iron castings or automotive and industrial uses.

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I belive that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
Thomas W Neelands Global Director		03/27/2008 00/00/0000

COMMENTS FOR OFFICIAL USE ONLY

FORM 2C NPDES

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURAL OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER	B. LATITUDE 1. DEG.	B. LATITUDE 2. MIN.	B. LATITUDE 3. SEC.	C. LONGITUDE 1. DEG.	C. LONGITUDE 2. MIN.	C. LONGITUDE 3. SEC.	D. RECEIVING WATER
001	41	17	18	84	19	1	Maumee River
~~002~~	~~41~~	~~17~~	~~39~~	~~84~~	~~18~~	~~58~~	~~Maumee River~~
~~004~~	~~41~~	~~17~~	~~30~~	~~84~~	~~19~~	~~3~~	~~Maumee River~~
005	41	17	35	84	17	56	Maumee River

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

Please view the Sitmware File for the requested information.

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

○ Yes ● No

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

● YES *(complete Item III-B)* ○ NO *(go to Section IV)*

B. Are the limitations in the applicable effluent guideline expressed in terms of production *(or other measure of operation)*?

○ YES *(complete Item III-C)* ● NO *(go to Section IV)*

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

IV. IMPROVEMENTS

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions. ○ YES *(complete the following table)* ● NO *(go to Item IV-B)*

B. OPTIONAL: You may attach additional sheets describing any additional water pollution prevention control programs *(or other environmental projects which may affect your discharges)* you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

☐ MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See Instructions before proceeding – Complete one set of tables for each outfall -- Annotate the outfall number in the space provided.

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)

Form Approved.
OMB No. 2040-0086.
Approval expires 3-31-98.

Please print or type in the unshaded areas only.

FORM 2C NPDES

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (*list*)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (*name*)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (*e.g., for certain mining activities*), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (*list*)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (*list*)	b. AVERAGE FLOW (*include units*)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Cupola cooling water	2 mgd		1C	
	Cupola emissions system			1R	
	Slurry system			1U	
	Dust collection			2A	
	Core machine cooling			2C	
	A/C condensate			2J	
	Evaporative cooler			4K	
	Make-up air units			4A	
	Stormwater			5R	
	Core Box Cleaning				
	Dredging operation				
	Maint. parts cleaning steam booth				
	Plant 1 core dip				
	Cold box tool cleaning				
	Core container cleaning				
	Floor washdowns				
	Landfill leachate & pumping station				
	Tool Cleaning				

OFFICIAL USE ONLY (*effluent guidelines sub-categories*)

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)

Form Approved.
OMB No. 2040-0086.
Approval expires 3-31-98.

Please print or type in the unshaded areas only.

FORM 2C NPDES

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (*list*)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (*name*)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., *for certain mining activities*), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (*list*)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (*list*)	b. AVERAGE FLOW (*include units*)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
→ 002	Cupola cooling water	0 mgd		1B	
	Cupola emissions system			1D	
	Slurry system			2C	
	Dust collection			5K	
	Core machine cooling			1A	
	A/C condensate				
	Evaporative cooler				
	Make-up air units				
	Stormwater				
	Core Box Cleaning				
	Dredging operation				
	Maint. parts cleaning steam booth				
	Plant 1 core dip				
	Cold box tool cleaning				
	Core container cleaning				
	Floor washdowns				
	Landfill leachate & pumping station				
	Tool Cleaning				

OFFICIAL USE ONLY (*effluent guidelines sub-categories*)

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
001	88 acres	1075 acres	004	1.5 acres on site	29 acres on site, several acres off site
002	88 acres	1075 acres	005	0 acres	27 acres

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas, and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
001	cupola cooling water, cupola emissions system, slurry system, dust collection, core machine cooling, A/C condensate, evaporative cooler, make-up air units, stormwater, core box cleaning, dredging operation, maint. parts cleaning steam booth, plt 1 core dip, cold box tool cleaning, core container cleaning, floor washdowns, landfill leachate & pumping station, tool cleaning	1C, 1R, 1U, 2A, 2C, 2J, 5B, 4A, 5Q, 4C

V. Nonstormwater Discharges

A. I certify under penalty of law hat the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharged from these outfall(s) are identified in either an accompanying Form 2C or From 2E application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
001	88 acres	1075 acres	004	1.5 acres on site	29 acres on site, several acres off site
002	88 acres	1075 acres	005	0 acres	27 acres

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas, and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
004	Storm water ditch on west end of property to river with a pump station designed to capture and pump first flush of storm events into the process water	1U,4A
005	Storm water discharge from landfill runoff basin to river on northeast corner of property	1U,4A

V. Nonstormwater Discharges

A. I certify under penalty of law hat the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharged from these outfall(s) are identified in either an accompanying Form 2C or From 2E application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

I. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermedaite or final product or product?

○ YES *(list all such pollutants below)* ● NO *(go to Item VI-B)*

II. BIOLOGICAL TOXICITY TESTING DATA

o you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a ceiving water in relation to your discharge within the last 3 years?

● YES *(identify the test(s) and describe their purposes below)* ○ NO *(go to Section VIII)*

part of the current NPDES permit, the plant has conducted annual evaluations of acute and chronic toxicity. The sults of the testing indicate that the plant effluent is less than 1.0 TUa and less than 1.0 TUc. The plant has used e following environmental laboratory to perform the effluent toxicity testing for the plant's NPDES requirements.

1 Environmental Consulting, LLC
W. Michigan Ave.
inton, MI 49236
17) 456-6881

III. CONTRACT ANAYLSYS INFORMATION

ere any of the anaylses reported in Item V performed by a contract laboratory or consulting firm?

● YES *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)* ○ NO *(go to Section IX)*

A. NAME	B. ADDRESS	C. TELEPHONE *(area code & no.)*
st America	4101 Shuffel Drive NW North Canton OH 44720-	(330) 497-9396

X. CERTIFICATION

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ssure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or hose persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME & OFFICIAL TITLE *(type or print)*	B. PHONE NO. *(area code & no.)*
Thomas W. Neelands, Global Director	248-753-4296
C. SIGNATURE Robert S Crimp	D. DATE SIGNED 03/27/2008

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

OUTFALL NO. 001

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Biochemical Oxygen Demand (BOD)	14	127.87					1	mg/l	kg/day			
Chemical Oxygen Demand (COD)	42.2	385.44					1	mg/l	kg/day			
Total Organic Carbon (TOC)	35	319.67					1	mg/l	kg/day			
Total Suspended Solids (TSS)	25	182.79			5.8	33.95	43	mg/l	kg/day	13.33		42
Ammonia (as N)	26	190.37			8.7	51.01	44	mg/l	kg/day	8.5		42
Flow	2.51				1.55		44	mgd	kg/day			
Temperature (Winter)	6				9.4		14	°C				
Temperature (Summer)	26				23.3		10	°C				
pH	7.7						44	Standard Units				

PART B - Mark 'X' in column 2-a for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Bromide	X	.9	8.22					1	mg/l	kg/day			
Chlorine, Total Residual	X	.03	.09			.003	.02	44	mg/l	kg/day	.023		42
Color	X	11						1	mg/l	kg/day			
Fecal Coliform	X	6	54.8					1	mg/l	kg/day			
Fluoride	X	17.9	163.49					1	mg/l	kg/day			
Nitrate-Nitrate (as N)	X	.8	7.31					1	mg/l	kg/day			
Nitrogen, Total Organic (as N)	X	3	27.4					1	mg/l	kg/day			
Oil and Grease									mg/l	kg/day	0		42
Phosphorus (as P), Total	X	.11	1					1	mg/l	kg/day			
Radioactivity:(1) Alpha, Total									mg/l	kg/day			
Radioactivity:(2) Beta, Total									mg/l	kg/day			
Radioactivity:(3) Radium, Total									mg/l	kg/day			
Radioactivity:(4) Radium 226, Total									mg/l	kg/day			
Sulfate (as SO4)	X	181	1653.17					1	mg/l	kg/day			
Sulfide (as S)									mg/l	kg/day			
Sulfite (as SO3)									mg/l	kg/day			
Surfactants									mg/l	kg/day			
Aluminum, Total									mg/l	kg/day			
Barium, Total									mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Boron, Total	X	.436	3.98					1	mg/l	kg/day			
Cobalt, Total									mg/l	kg/day			
Iron, Total	X	.349	3.19					1	mg/l	kg/day			
Magnesium, Total	X	13.5	123.3					1	mg/l	kg/day			
Molybdenum, Total	X	74.2	.60			49.34	.29	5	ug/l	kg/day	66.03		4
Manganese, Total	X	.78	7.12					1	mg/l	kg/day			
Tin, Total									mg/l	kg/day			
Titanium, Total									mg/l	kg/day			

PART C - If you are primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark 'X' in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and non required GC/MS fractions), mark 'X' in column 2-b for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2, 4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the resutls of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Metals, Cyanids, and Total Phenols													
Antimony, Total									ug/l	kg/day	2.5		4
Arsenic, Total									mg/l	kg/day			
Beryllium, Total									mg/l	kg/day			
Cadmium, Total									ug/l	kg/day	0		4
Chromium, Total									mg/l	kg/day			
Copper, Total									ug/l	kg/day	2.27		42
Lead, Total	X	17.1	.12			3.58	.02	44	ug/l	kg/day	12.25		42
Mercury, Total	X	.71	5.63			.26	1.51	5	mg/l	kg/day			
Nickel, Total									mg/l	kg/day			
Selenium, Total									mg/l	kg/day			
Silver, Total									mg/l	kg/day			
Thallium, Total									mg/l	kg/day			
Zinc, Total	X	156	1.21			56.11	.33	44	ug/l	kg/day	162.6		42
Cyanide, Total	X	.02	.12			.003	.02	5	mg/l	kg/day	.003		4
Phenols, Total	X	170	1.55			17.61	.10	44	ug/l	kg/day	17.67		42
Dioxin													
2,3,7,8-Tetrachlorodibenzo-P-Dioxin									mg/l	kg/day			
GC/MS Fraction - Volatile Compounds													
Acrolein									mg/l	kg/day			
Acrylonitrile									mg/l	kg/day			
Benzene									mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT						d. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE		d. NO. OF ANALYSES
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)					a. LONG TERM AVERAGE VALUE		
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Volatile Compounds													
Bis (Chloromethyl) Ether	☐								mg/l	kg/day			
Bromoform	☐								mg/l	kg/day			
Carbon Tetrachloride	☐								mg/l	kg/day			
Chlorobenzene	☐								mg/l	kg/day			
Chlorodibromomethane	☐								mg/l	kg/day			
Chloroethane	☐								mg/l	kg/day			
2-Chloroethylvinyl Ether	☐								mg/l	kg/day			
Chloroform	☐								mg/l	kg/day			
Dichlorobromomethane	☐								mg/l	kg/day			
Dichlorodiflouromethane	☐								mg/l	kg/day			
1,1-Dichloroethane	☐								mg/l	kg/day			
1,2-Dichloroethane	☐								mg/l	kg/day			
1,1-Dichloroethylene	☐								mg/l	kg/day			
1,2-Dichloropropane	☐								mg/l	kg/day			
1,3-Dichloropropylene	☐								mg/l	kg/day			
Ethylbenzene	☐								mg/l	kg/day			
Methyl Bromide	☐								mg/l	kg/day			
Methyl Chloride	☐								mg/l	kg/day			
Methylene Chloride	☐								mg/l	kg/day			
1,1,2,2-Tetrachloroethane	☐								mg/l	kg/day			
Tetrachloroethylene	☐								mg/l	kg/day			
Toluene	☐								mg/l	kg/day			
1,2-Transdichloroethylene	☐								mg/l	kg/day			
1,1,1-Trichloroethane	☐								mg/l	kg/day			
1,1,2-Trichloroethane	☐								mg/l	kg/day			
Trichloroethylene	☐								mg/l	kg/day			
Trichlorofluoromethane	☐								mg/l	kg/day			
Vinyl Chloride	☐								mg/l	kg/day			
GC/MS Fraction - Acid Compounds													
2-Chlorophenol	☐								mg/l	kg/day			
2,4-Dichlorophenol	☐								mg/l	kg/day			
2,4-Dimethyphenol	☐								mg/l	kg/day			
4,6-Dinitro-O-Cresol	☐								mg/l	kg/day			
2,4-Dinitrophenol	☐								mg/l	kg/day			
2-Nitrophenol	☐								mg/l	kg/day			
4-Nitrophenol	☐								mg/l	kg/day			
P-Chloro-M-Cresol	☐								mg/l	kg/day			
Pentachlorophenol	☐								mg/l	kg/day			
Phenol	☐								mg/l	kg/day			
2,4,6-Trichlorophenol	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
Acenaphthene	☐								mg/l	kg/day			
Acenaphtylene	☐								mg/l	kg/day			
Anthracene	☐								mg/l	kg/day			
Benzidine	☐								mg/l	kg/day			
Benzo (a) Anthracene	☐								mg/l	kg/day			
Benzo (a) Pyrene	☐								mg/l	kg/day			
Benzofluoranthene	☐								mg/l	kg/day			
Benzo (ghi) Perylene	☐								mg/l	kg/day			
Benzo (k) Fluoranthene	☐								mg/l	kg/day			
Bis (2-Chloroethoxy) Methane	☐								mg/l	kg/day			
Bis (2-Chloroethyl) Ether	☐								mg/l	kg/day			
Bis (2-Chloroisopropyl) Ether	☐								mg/l	kg/day			
Bis (2-Ehtylhexyl) Phthalate	☐								mg/l	kg/day			
4-Bromophenyl Phenyl	☐								mg/l	kg/day			
Butyl Benzyl Phthalate	☐								mg/l	kg/day			
2-Chloronaphthalene	☐								mg/l	kg/day			
4-Chlorophenyl Phenyl Ether	☐								mg/l	kg/day			
Chrysene	☐								mg/l	kg/day			
Dibenzo (a,h) Anthracene	☐								mg/l	kg/day			
1,2,-Dichlorobenzene	☐								mg/l	kg/day			
1,3-Dicholorobenzene	☐								mg/l	kg/day			
1,4-Dichlorobenzene	☐								mg/l	kg/day			
3,3-Dichlorobenzidine	☐								mg/l	kg/day			
Diethyl Phthalate	☐								mg/l	kg/day			
Dimethyl Phthalate	☐								mg/l	kg/day			
Di-N-Butyl Phthlate	☐								mg/l	kg/day			
2,4-Dinitrotoluene	☐								mg/l	kg/day			
2,6-Dinitrotoluene	☐								mg/l	kg/day			
Di-N-Octyl Phthalate	☐								mg/l	kg/day			
1,2-Diphenylhydrazine (as Azobenzer	☐								mg/l	kg/day			
Fluoranthene	☐								mg/l	kg/day			
Fluorene	☐								mg/l	kg/day			
Hexachlorobenzene	☐								mg/l	kg/day			
Hexachlorobutadiene	☐								mg/l	kg/day			
Hexachlorocyclopentadiene	☐								mg/l	kg/day			
Hexachloroethane	☐								mg/l	kg/day			
Indeno (1,2,3-cd) Pyrene	☐								mg/l	kg/day			
Isophorone	☐								mg/l	kg/day			
Napthalene	☐								mg/l	kg/day			
Nitrobenzene	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
N-Nitrosodimethylamine	☐								mg/l	kg/day			
N-Nitrosodi-N-Propylamine	☐								mg/l	kg/day			
N-Nitrosodiphenylamine	☐								mg/l	kg/day			
Phenanthrene	☐								mg/l	kg/day			
Pyrene	☐								mg/l	kg/day			
1,2,4-Trichlorobenzene	☐								mg/l	kg/day			
GC/MS Fraction - Pesticides													
Aldrin	☐								mg/l	kg/day			
Alpha-BHC	☐								mg/l	kg/day			
Beta-BHC	☐								mg/l	kg/day			
Gamma-BHC	☐								mg/l	kg/day			
Delta-BHC	☐								mg/l	kg/day			
Chlordane	☐								mg/l	kg/day			
4,4-DDT	☐								mg/l	kg/day			
4,4-DDE	☐								mg/l	kg/day			
4,4-DDD	☐								mg/l	kg/day			
Dieldrin	☐								mg/l	kg/day			
Alpha-Endosulfan	☐								mg/l	kg/day			
Beta-Endosulfan	☐								mg/l	kg/day			
Endosulfan Sulfate	☐								mg/l	kg/day			
Endrin	☐								mg/l	kg/day			
Endrin Aldehyde	☐								mg/l	kg/day			
Heptachlor	☐								mg/l	kg/day			
Heptachlor Epoxide	☐								mg/l	kg/day			
PCB-1242	☐								mg/l	kg/day			
PCB-1254	☐								mg/l	kg/day			
PCB-1221	☐								mg/l	kg/day			
PCB-1232	☐								mg/l	kg/day			
PCB-1248	☐								mg/l	kg/day			
PCB-1260	☐								mg/l	kg/day			
PCB-1016	☐								mg/l	kg/day			
Toxaphene	☐								mg/l	kg/day			

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

OUTFALL NO. 002

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	(2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES
Biochemical Oxygen Demand (BOD)	16						1	mg/l	kg/day			
Chemical Oxygen Demand (COD)	41.2						1	mg/l	kg/day			
Total Organic Carbon (TOC)	37						1	mg/l	kg/day			
Total Suspended Solids (TSS)	12						1	mg/l	kg/day			
Ammonia (as N)	11				7.2		2	mg/l	kg/day			
Flow	4.5						1	mgd	kg/day			
Temperature (Winter)	2.7						1	°C				
Temperature (Summer)	10.8						1	°C				
pH	7						2	Standard Units				

PART B - Mark 'X' in column 2-a for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	(2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	(2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	(2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES
Bromide	X	.8						1	mg/l	kg/day			
Chlorine, Total Residual	X	.1						1	mg/l	kg/day			
Color	X	40						1	mg/l	kg/day			
Fecal Coliform	X	2						1	mg/l	kg/day			
Fluoride	X	18						1	mg/l	kg/day			
Nitrate-Nitrate (as N)	X	1						1	mg/l	kg/day			
Nitrogen, Total Organic (as N)	X	4						1	mg/l	kg/day			
Oil and Grease									mg/l	kg/day			
Phosphorus (as P), Total	X	.5						1	mg/l	kg/day			
Radioactivity:(1) Alpha, Total									mg/l	kg/day			
Radioactivity:(2) Beta, Total									mg/l	kg/day			
Radioactivity:(3) Radium, Total									mg/l	kg/day			
Radioactivity:(4) Radium 226, Total									mg/l	kg/day			
Sulfate (as SO4)	X	186						1	mg/l	kg/day			
Sulfide (as S)									mg/l	kg/day			
Sulfite (as SO3)									mg/l	kg/day			
Surfactants									mg/l	kg/day			
Aluminum, Total	X	.4						1	mg/l	kg/day			
Barium, Total									mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
Boron, Total	X	.5						1	mg/l	kg/day			
Cobalt, Total									mg/l	kg/day			
Iron, Total	X	2.4						1	mg/l	kg/day			
Magnesium, Total	X	14.9						1	mg/l	kg/day			
Molybdenum, Total									mg/l	kg/day			
Manganese, Total	X	1.2						1	mg/l	kg/day			
Tin, Total									mg/l	kg/day			
Titanium, Total									mg/l	kg/day			

PART C - If you are primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark 'X' in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and non required GC/MS fractions), mark 'X' in column 2-b for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2, 4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the resutls of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
Metals, Cyanids, and Total Phenols													
Antimony, Total									mg/l	kg/day			
Arsenic, Total									mg/l	kg/day			
Beryllium, Total									mg/l	kg/day			
Cadmium, Total									mg/l	kg/day			
Chromium, Total									mg/l	kg/day			
Copper, Total	X	11.7				5.9		2	ug/l	kg/day			
Lead, Total	X	24.1				12.1		2	ug/l	kg/day			
Mercury, Total									mg/l	kg/day			
Nickel, Total									mg/l	kg/day			
Selenium, Total									mg/l	kg/day			
Silver, Total									mg/l	kg/day			
Thallium, Total									mg/l	kg/day			
Zinc, Total	X	1210				893		2	ug/l	kg/day			
Cyanide, Total	X	.01						1	mg/l	kg/day			
Phenols, Total	X	.1						1	mg/l	kg/day			
Dioxin													
2,3,7,8-Tetrachlorodibenzo-P-Dioxin									mg/l	kg/day			
GC/MS Fraction - Volatile Compounds													
Acrolein									mg/l	kg/day			
Acrylonitrile									mg/l	kg/day			
Benzene									mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT						d. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE		d. NO. OF ANALYSES
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)					a. LONG TERM AVERAGE VALUE		
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Volatile Compounds													
Bis (Chloromethyl) Ether	☐								mg/l	kg/day			
Bromoform	☐								mg/l	kg/day			
Carbon Tetrachloride	☐								mg/l	kg/day			
Chlorobenzene	☐								mg/l	kg/day			
Chlorodibromomethane	☐								mg/l	kg/day			
Chloroethane	☐								mg/l	kg/day			
2-Chloroethylvinyl Ether	☐								mg/l	kg/day			
Chloroform	☐								mg/l	kg/day			
Dichlorobromomethane	☐								mg/l	kg/day			
Dichlorodiflouromethane	☐								mg/l	kg/day			
1,1-Dichloroethane	☐								mg/l	kg/day			
1,2-Dichloroethane	☐								mg/l	kg/day			
1,1-Dichloroethylene	☐								mg/l	kg/day			
1,2-Dichloropropane	☐								mg/l	kg/day			
1,3-Dichloropropylene	☐								mg/l	kg/day			
Ethylbenzene	☐								mg/l	kg/day			
Methyl Bromide	☐								mg/l	kg/day			
Methyl Chloride	☐								mg/l	kg/day			
Methylene Chloride	☐								mg/l	kg/day			
1,1,2,2-Tetrachloroethane	☐								mg/l	kg/day			
Tetrachloroethylene	☐								mg/l	kg/day			
Toluene	☐								mg/l	kg/day			
1,2-Transdichloroethylene	☐								mg/l	kg/day			
1,1,1-Trichloroethane	☐								mg/l	kg/day			
1,1,2-Trichloroethane	☐								mg/l	kg/day			
Trichloroethylene	☐								mg/l	kg/day			
Trichlorofluoromethane	☐								mg/l	kg/day			
Vinyl Chloride	☐								mg/l	kg/day			
GC/MS Fraction - Acid Compounds													
2-Chlorophenol	☐								mg/l	kg/day			
2,4-Dichlorophenol	☐								mg/l	kg/day			
2,4-Dimethyphenol	☐								mg/l	kg/day			
4,6-Dinitro-O-Cresol	☐								mg/l	kg/day			
2,4-Dinitrophenol	☐								mg/l	kg/day			
2-Nitrophenol	☐								mg/l	kg/day			
4-Nitrophenol	☐								mg/l	kg/day			
P-Chloro-M-Cresol	☐								mg/l	kg/day			
Pentachlorophenol	☐								mg/l	kg/day			
Phenol	☐								mg/l	kg/day			
2,4,6-Trichlorophenol	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
Acenaphthene	☐								mg/l	kg/day			
Acenaphtylene	☐								mg/l	kg/day			
Anthracene	☐								mg/l	kg/day			
Benzidine	☐								mg/l	kg/day			
Benzo (a) Anthracene	☐								mg/l	kg/day			
Benzo (a) Pyrene	☐								mg/l	kg/day			
Benzofluoranthene	☐								mg/l	kg/day			
Benzo (ghi) Perylene	☐								mg/l	kg/day			
Benzo (k) Fluoranthene	☐								mg/l	kg/day			
Bis (2-Chloroethoxy) Methane	☐								mg/l	kg/day			
Bis (2-Chloroethyl) Ether	☐								mg/l	kg/day			
Bis (2-Chloroisopropyl) Ether	☐								mg/l	kg/day			
Bis (2-Ehtylhexyl) Phthalate	☐								mg/l	kg/day			
4-Bromophenyl Phenyl	☐								mg/l	kg/day			
Butyl Benzyl Phthalate	☐								mg/l	kg/day			
2-Chloronaphthalene	☐								mg/l	kg/day			
4-Chlorophenyl Phenyl Ether	☐								mg/l	kg/day			
Chrysene	☐								mg/l	kg/day			
Dibenzo (a,h) Anthracene	☐								mg/l	kg/day			
1,2,-Dichlorobenzene	☐								mg/l	kg/day			
1,3-Dicholorobenzene	☐								mg/l	kg/day			
1,4-Dichlorobenzene	☐								mg/l	kg/day			
3,3-Dichlorobenzidine	☐								mg/l	kg/day			
Diethyl Phthalate	☐								mg/l	kg/day			
Dimethyl Phthalate	☐								mg/l	kg/day			
Di-N-Butyl Phthlate	☐								mg/l	kg/day			
2,4-Dinitrotoluene	☐								mg/l	kg/day			
2,6-Dinitrotoluene	☐								mg/l	kg/day			
Di-N-Octyl Phthalate	☐								mg/l	kg/day			
1,2-Diphenylhydrazine (as Azobenzer	☐								mg/l	kg/day			
Fluoranthene	☐								mg/l	kg/day			
Fluorene	☐								mg/l	kg/day			
Hexachlorobenzene	☐								mg/l	kg/day			
Hexachlorobutadiene	☐								mg/l	kg/day			
Hexachlorocyclopentadiene	☐								mg/l	kg/day			
Hexachloroethane	☐								mg/l	kg/day			
Indeno (1,2,3-cd) Pyrene	☐								mg/l	kg/day			
Isophorone	☐								mg/l	kg/day			
Napthalene	☐								mg/l	kg/day			
Nitrobenzene	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
N-Nitrosodimethylamine	☐								mg/l	kg/day			
N-Nitrosodi-N-Propylamine	☐								mg/l	kg/day			
N-Nitrosodiphenylamine	☐								mg/l	kg/day			
Phenanthrene	☐								mg/l	kg/day			
Pyrene	☐								mg/l	kg/day			
1,2,4-Trichlorobenzene	☐								mg/l	kg/day			
GC/MS Fraction - Pesticides													
Aldrin	☐								mg/l	kg/day			
Alpha-BHC	☐								mg/l	kg/day			
Beta-BHC	☐								mg/l	kg/day			
Gamma-BHC	☐								mg/l	kg/day			
Delta-BHC	☐								mg/l	kg/day			
Chlordane	☐								mg/l	kg/day			
4,4-DDT	☐								mg/l	kg/day			
4,4-DDE	☐								mg/l	kg/day			
4,4-DDD	☐								mg/l	kg/day			
Dieldrin	☐								mg/l	kg/day			
Alpha-Endosulfan	☐								mg/l	kg/day			
Beta-Endosulfan	☐								mg/l	kg/day			
Endosulfan Sulfate	☐								mg/l	kg/day			
Endrin	☐								mg/l	kg/day			
Endrin Aldehyde	☐								mg/l	kg/day			
Heptachlor	☐								mg/l	kg/day			
Heptachlor Epoxide	☐								mg/l	kg/day			
PCB-1242	☐								mg/l	kg/day			
PCB-1254	☐								mg/l	kg/day			
PCB-1221	☐								mg/l	kg/day			
PCB-1232	☐								mg/l	kg/day			
PCB-1248	☐								mg/l	kg/day			
PCB-1260	☐								mg/l	kg/day			
PCB-1016	☐								mg/l	kg/day			
Toxaphene	☐								mg/l	kg/day			

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

OUTFALL NO. 004

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Biochemical Oxygen Demand (BOD)	6	1.19			2.7	.36	3	mg/l	kg/day			
Chemical Oxygen Demand (COD)	180	5.42			97.8	13.23	3	mg/l	kg/day			
Total Organic Carbon (TOC)	10	.30			8.3	1.13	3	mg/l	kg/day			
Total Suspended Solids (TSS)	900	178.78			613.3	82.98	3	mg/l	kg/day			
Ammonia (as N)	2	.06			1.2	.17	3	mg/l	kg/day			
Flow	.05				.04		3	mgd	kg/day			
Temperature (Winter)	11.6				12.7		2	°C				
Temperature (Summer)	23.6						1	°C				
pH	9.4						3	Standard Units				

PART B - Mark 'X' in column 2-a for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Bromide	☐								mg/l	kg/day			
Chlorine, Total Residual	☐								mg/l	kg/day			
Color	☒	60						1	mg/l	kg/day			
Fecal Coliform	☒	98	17.36					1	mg/l	kg/day			
Fluoride	☒	5.9	.18			5.65	.76	2	mg/l	kg/day			
Nitrate-Nitrate (as N)	☒	.9	.16					1	mg/l	kg/day			
Nitrogen, Total Organic (as N)	☐								mg/l	kg/day			
Oil and Grease	☐								mg/l	kg/day			
Phosphorus (as P), Total	☒	.54	.10					1	mg/l	kg/day			
Radioactivity:(1) Alpha, Total	☐								mg/l	kg/day			
Radioactivity:(2) Beta, Total	☐								mg/l	kg/day			
Radioactivity:(3) Radium, Total	☐								mg/l	kg/day			
Radioactivity:(4) Radium 226, Total	☐								mg/l	kg/day			
Sulfate (as SO4)	☒	59.5	10.54			54.4	7.35	2	mg/l	kg/day			
Sulfide (as S)	☐								mg/l	kg/day			
Sulfite (as SO3)	☐								mg/l	kg/day			
Surfactants	☐								mg/l	kg/day			
Aluminum, Total	☒	7.3	1.29					1	mg/l	kg/day			
Barium, Total	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Boron, Total	X	.3	.05					1	mg/l	kg/day			
Cobalt, Total									mg/l	kg/day			
Iron, Total	X	33.6	6.67			20.7	2.8	3	mg/l	kg/day			
Magnesium, Total	X	11.9	2.36			9.7	1.32	3	mg/l	kg/day			
Molybdenum, Total									mg/l	kg/day			
Manganese, Total	X	.88	.17			.69	.09	3	mg/l	kg/day			
Tin, Total									mg/l	kg/day			
Titanium, Total	X	.14	.02					1	mg/l	kg/day			

PART C - If you are primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark 'X' in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and non required GC/MS fractions), mark 'X' in column 2-b for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2, 4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Metals, Cyanids, and Total Phenols													
Antimony, Total									mg/l	kg/day			
Arsenic, Total	X	.013	0			.01	0	3	mg/l	kg/day			
Beryllium, Total									mg/l	kg/day			
Cadmium, Total	X	.003	0			.001	0	3	mg/l	kg/day			
Chromium, Total	X	.05	.01			.03	0	3	mg/l	kg/day			
Copper, Total	X	.04	.01			.02	0	3	mg/l	kg/day			
Lead, Total	X	.05	.01			.03	0	3	mg/l	kg/day			
Mercury, Total	X	.0002	0			0	0	3	mg/l	kg/day			
Nickel, Total									mg/l	kg/day			
Selenium, Total									mg/l	kg/day			
Silver, Total									mg/l	kg/day			
Thallium, Total									mg/l	kg/day			
Zinc, Total	X	.42	.01			.34	.05	3	mg/l	kg/day			
Cyanide, Total									mg/l	kg/day			
Phenols, Total									mg/l	kg/day			
Dioxin													
2,3,7,8-Tetrachlorodibenzo-P-Dioxin									mg/l	kg/day			
GC/MS Fraction - Volatile Compounds													
Acrolein									mg/l	kg/day			
Acrylonitrile									mg/l	kg/day			
Benzene									mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Volatile Compounds													
Bis (Chloromethyl) Ether	☐								mg/l	kg/day			
Bromoform	☐								mg/l	kg/day			
Carbon Tetrachloride	☐								mg/l	kg/day			
Chlorobenzene	☐								mg/l	kg/day			
Chlorodibromomethane	☐								mg/l	kg/day			
Chloroethane	☐								mg/l	kg/day			
2-Chloroethylvinyl Ether	☐								mg/l	kg/day			
Chloroform	☐								mg/l	kg/day			
Dichlorobromomethane	☐								mg/l	kg/day			
Dichlorodiflouromethane	☐								mg/l	kg/day			
1,1-Dichloroethane	☐								mg/l	kg/day			
1,2-Dichloroethane	☐								mg/l	kg/day			
1,1-Dichloroethylene	☐								mg/l	kg/day			
1,2-Dichloropropane	☐								mg/l	kg/day			
1,3-Dichloropropylene	☐								mg/l	kg/day			
Ethylbenzene	☐								mg/l	kg/day			
Methyl Bromide	☐								mg/l	kg/day			
Methyl Chloride	☐								mg/l	kg/day			
Methylene Chloride	☐								mg/l	kg/day			
1,1,2,2-Tetrachloroethane	☐								mg/l	kg/day			
Tetrachloroethylene	☐								mg/l	kg/day			
Toluene	☐								mg/l	kg/day			
1,2-Transdichloroethylene	☐								mg/l	kg/day			
1,1,1-Trichloroethane	☐								mg/l	kg/day			
1,1,2-Trichloroethane	☐								mg/l	kg/day			
Trichloroethylene	☐								mg/l	kg/day			
Trichlorofluoromethane	☐								mg/l	kg/day			
Vinyl Chloride	☐								mg/l	kg/day			
GC/MS Fraction - Acid Compounds													
2-Chlorophenol	☐								mg/l	kg/day			
2,4-Dichlorophenol	☐								mg/l	kg/day			
2,4-Dimethyphenol	☐								mg/l	kg/day			
4,6-Dinitro-O-Cresol	☐								mg/l	kg/day			
2,4-Dinitrophenol	☐								mg/l	kg/day			
2-Nitrophenol	☐								mg/l	kg/day			
4-Nitrophenol	☐								mg/l	kg/day			
P-Chloro-M-Cresol	☐								mg/l	kg/day			
Pentachlorophenol	☐								mg/l	kg/day			
Phenol	☐								mg/l	kg/day			
2,4,6-Trichlorophenol	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
Acenaphthene	☐								mg/l	kg/day			
Acenaphtylene	☐								mg/l	kg/day			
Anthracene	☐								mg/l	kg/day			
Benzidine	☐								mg/l	kg/day			
Benzo (a) Anthracene	☐								mg/l	kg/day			
Benzo (a) Pyrene	☐								mg/l	kg/day			
Benzofluoranthene	☐								mg/l	kg/day			
Benzo (ghi) Perylene	☐								mg/l	kg/day			
Benzo (k) Fluoranthene	☐								mg/l	kg/day			
Bis (2-Chloroethoxy) Methane	☐								mg/l	kg/day			
Bis (2-Chloroethyl) Ether	☐								mg/l	kg/day			
Bis (2-Chloroisopropyl) Ether	☐								mg/l	kg/day			
Bis (2-Ehtylhexyl) Phthalate	☐								mg/l	kg/day			
4-Bromophenyl Phenyl	☐								mg/l	kg/day			
Butyl Benzyl Phthalate	☐								mg/l	kg/day			
2-Chloronaphthalene	☐								mg/l	kg/day			
4-Chlorophenyl Phenyl Ether	☐								mg/l	kg/day			
Chrysene	☐								mg/l	kg/day			
Dibenzo (a,h) Anthracene	☐								mg/l	kg/day			
1,2,-Dichlorobenzene	☐								mg/l	kg/day			
1,3-Dicholorobenzene	☐								mg/l	kg/day			
1,4-Dichlorobenzene	☐								mg/l	kg/day			
3,3-Dichlorobenzidine	☐								mg/l	kg/day			
Diethyl Phthalate	☐								mg/l	kg/day			
Dimethyl Phthalate	☐								mg/l	kg/day			
Di-N-Butyl Phthlate	☐								mg/l	kg/day			
2,4-Dinitrotoluene	☐								mg/l	kg/day			
2,6-Dinitrotoluene	☐								mg/l	kg/day			
Di-N-Octyl Phthalate	☐								mg/l	kg/day			
1,2-Diphenylhydrazine (as Azobenzer	☐								mg/l	kg/day			
Fluoranthene	☐								mg/l	kg/day			
Fluorene	☐								mg/l	kg/day			
Hexachlorobenzene	☐								mg/l	kg/day			
Hexachlorobutadiene	☐								mg/l	kg/day			
Hexachlorocyclopentadiene	☐								mg/l	kg/day			
Hexachloroethane	☐								mg/l	kg/day			
Indeno (1,2,3-cd) Pyrene	☐								mg/l	kg/day			
Isophorone	☐								mg/l	kg/day			
Napthalene	☐								mg/l	kg/day			
Nitrobenzene	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
N-Nitrosodimethylamine	☐								mg/l	kg/day			
N-Nitrosodi-N-Propylamine	☐								mg/l	kg/day			
N-Nitrosodiphenylamine	☐								mg/l	kg/day			
Phenanthrene	☐								mg/l	kg/day			
Pyrene	☐								mg/l	kg/day			
1,2,4-Trichlorobenzene	☐								mg/l	kg/day			
GC/MS Fraction - Pesticides													
Aldrin	☐								mg/l	kg/day			
Alpha-BHC	☐								mg/l	kg/day			
Beta-BHC	☐								mg/l	kg/day			
Gamma-BHC	☐								mg/l	kg/day			
Delta-BHC	☐								mg/l	kg/day			
Chlordane	☐								mg/l	kg/day			
4,4-DDT	☐								mg/l	kg/day			
4,4-DDE	☐								mg/l	kg/day			
4,4-DDD	☐								mg/l	kg/day			
Dieldrin	☐								mg/l	kg/day			
Alpha-Endosulfan	☐								mg/l	kg/day			
Beta-Endosulfan	☐								mg/l	kg/day			
Endosulfan Sulfate	☐								mg/l	kg/day			
Endrin	☐								mg/l	kg/day			
Endrin Aldehyde	☐								mg/l	kg/day			
Heptachlor	☐								mg/l	kg/day			
Heptachlor Epoxide	☐								mg/l	kg/day			
PCB-1242	☐								mg/l	kg/day			
PCB-1254	☐								mg/l	kg/day			
PCB-1221	☐								mg/l	kg/day			
PCB-1232	☐								mg/l	kg/day			
PCB-1248	☐								mg/l	kg/day			
PCB-1260	☐								mg/l	kg/day			
PCB-1016	☐								mg/l	kg/day			
Toxaphene	☐								mg/l	kg/day			

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

OUTFALL NO. 005

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Biochemical Oxygen Demand (BOD)	0				0		3	mg/l	kg/day			
Chemical Oxygen Demand (COD)	15.1	.58			5	.19	3	mg/l	kg/day			
Total Organic Carbon (TOC)	8	.31			6.7	.25	3	mg/l	kg/day			
Total Suspended Solids (TSS)	140	5.34			56	2.14	3	mg/l	kg/day			
Ammonia (as N)	.2	.01			.13	.01	3	mg/l	kg/day			
Flow	.04				.04		3	mgd	kg/day			
Temperature (Winter)	2.8						1	°C				
Temperature (Summer)	24.1				23.15		2	°C				
pH	8						3	Standard Units				

PART B - Mark 'X' in column 2-a for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Bromide	☐								mg/l	kg/day			
Chlorine, Total Residual	☒	.04	.001					1	mg/l	kg/day			
Color	☒	10						1	mg/l	kg/day			
Fecal Coliform	☐								mg/l	kg/day			
Fluoride	☒	1.8	.07			1.67	.06	3	mg/l	kg/day			
Nitrate-Nitrate (as N)	☒	.8	.03					1	mg/l	kg/day			
Nitrogen, Total Organic (as N)	☐								mg/l	kg/day			
Oil and Grease	☐								mg/l	kg/day			
Phosphorus (as P), Total	☐								mg/l	kg/day			
Radioactivity:(1) Alpha, Total	☐								mg/l	kg/day			
Radioactivity:(2) Beta, Total	☐								mg/l	kg/day			
Radioactivity:(3) Radium, Total	☐								mg/l	kg/day			
Radioactivity:(4) Radium 226, Total	☐								mg/l	kg/day			
Sulfate (as SO4)	☒	85	3.24			80.2	3.06	3	mg/l	kg/day			
Sulfide (as S)	☐								mg/l	kg/day			
Sulfite (as SO3)	☐								mg/l	kg/day			
Surfactants	☐								mg/l	kg/day			
Aluminum, Total	☒	.39	.01					1	mg/l	kg/day			
Barium, Total	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
Boron, Total	X	.28	.01					1	mg/l	kg/day			
Cobalt, Total									mg/l	kg/day			
Iron, Total	X	2.6	.1			1.7	.07	3	mg/l	kg/day			
Magnesium, Total	X	37.5	1.43			32	1.22	3	mg/l	kg/day			
Molybdenum, Total									mg/l	kg/day			
Manganese, Total	X	.12	.005			.1	.004	3	mg/l	kg/day			
Tin, Total									mg/l	kg/day			
Titanium, Total									mg/l	kg/day			

PART C - If you are primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark 'X' in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and non required GC/MS fractions), mark 'X' in column 2-b for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2, 4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the resutls of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
Metals, Cyanids, and Total Phenols													
Antimony, Total									mg/l	kg/day			
Arsenic, Total									mg/l	kg/day			
Beryllium, Total									mg/l	kg/day			
Cadmium, Total									mg/l	kg/day			
Chromium, Total									mg/l	kg/day			
Copper, Total									mg/l	kg/day			
Lead, Total									mg/l	kg/day			
Mercury, Total									mg/l	kg/day			
Nickel, Total									mg/l	kg/day			
Selenium, Total									mg/l	kg/day			
Silver, Total									mg/l	kg/day			
Thallium, Total									mg/l	kg/day			
Zinc, Total	X	.053	.002			.018	.0007	3	mg/l	kg/day			
Cyanide, Total									mg/l	kg/day			
Phenols, Total									mg/l	kg/day			
Dioxin													
2,3,7,8-Tetrachlorodibenzo-P-Dioxin									mg/l	kg/day			
GC/MS Fraction - Volatile Compounds													
Acrolein									mg/l	kg/day			
Acrylonitrile									mg/l	kg/day			
Benzene									mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Volatile Compounds													
Bis (Chloromethyl) Ether	☐								mg/l	kg/day			
Bromoform	☐								mg/l	kg/day			
Carbon Tetrachloride	☐								mg/l	kg/day			
Chlorobenzene	☐								mg/l	kg/day			
Chlorodibromomethane	☐								mg/l	kg/day			
Chloroethane	☐								mg/l	kg/day			
2-Chloroethylvinyl Ether	☐								mg/l	kg/day			
Chloroform	☐								mg/l	kg/day			
Dichlorobromomethane	☐								mg/l	kg/day			
Dichlorodiflouromethane	☐								mg/l	kg/day			
1,1-Dichloroethane	☐								mg/l	kg/day			
1,2-Dichloroethane	☐								mg/l	kg/day			
1,1-Dichloroethylene	☐								mg/l	kg/day			
1,2-Dichloropropane	☐								mg/l	kg/day			
1,3-Dichloropropylene	☐								mg/l	kg/day			
Ethylbenzene	☐								mg/l	kg/day			
Methyl Bromide	☐								mg/l	kg/day			
Methyl Chloride	☐								mg/l	kg/day			
Methylene Chloride	☐								mg/l	kg/day			
1,1,2,2-Tetrachloroethane	☐								mg/l	kg/day			
Tetrachloroethylene	☐								mg/l	kg/day			
Toluene	☐								mg/l	kg/day			
1,2-Transdichloroethylene	☐								mg/l	kg/day			
1,1,1-Trichloroethane	☐								mg/l	kg/day			
1,1,2-Trichloroethane	☐								mg/l	kg/day			
Trichloroethylene	☐								mg/l	kg/day			
Trichlorofluoromethane	☐								mg/l	kg/day			
Vinyl Chloride	☐								mg/l	kg/day			
GC/MS Fraction - Acid Compounds													
2-Chlorophenol	☐								mg/l	kg/day			
2,4-Dichlorophenol	☐								mg/l	kg/day			
2,4-Dimethyphenol	☐								mg/l	kg/day			
4,6-Dinitro-O-Cresol	☐								mg/l	kg/day			
2,4-Dinitrophenol	☐								mg/l	kg/day			
2-Nitrophenol	☐								mg/l	kg/day			
4-Nitrophenol	☐								mg/l	kg/day			
P-Chloro-M-Cresol	☐								mg/l	kg/day			
Pentachlorophenol	☐								mg/l	kg/day			
Phenol	☐								mg/l	kg/day			
2,4,6-Trichlorophenol	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT						d. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)					a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
Acenaphthene	☐								mg/l	kg/day			
Acenaphtylene	☐								mg/l	kg/day			
Anthracene	☐								mg/l	kg/day			
Benzidine	☐								mg/l	kg/day			
Benzo (a) Anthracene	☐								mg/l	kg/day			
Benzo (a) Pyrene	☐								mg/l	kg/day			
Benzofluoranthene	☐								mg/l	kg/day			
Benzo (ghi) Perylene	☐								mg/l	kg/day			
Benzo (k) Fluoranthene	☐								mg/l	kg/day			
Bis (2-Chloroethoxy) Methane	☐								mg/l	kg/day			
Bis (2-Chloroethyl) Ether	☐								mg/l	kg/day			
Bis (2-Chloroisopropyl) Ether	☐								mg/l	kg/day			
Bis (2-Ehtylhexyl) Phthalate	☐								mg/l	kg/day			
4-Bromophenyl Phenyl	☐								mg/l	kg/day			
Butyl Benzyl Phthalate	☐								mg/l	kg/day			
2-Chloronaphthalene	☐								mg/l	kg/day			
4-Chlorophenyl Phenyl Ether	☐								mg/l	kg/day			
Chrysene	☐								mg/l	kg/day			
Dibenzo (a,h) Anthracene	☐								mg/l	kg/day			
1,2,-Dichlorobenzene	☐								mg/l	kg/day			
1,3-Dicholorobenzene	☐								mg/l	kg/day			
1,4-Dichlorobenzene	☐								mg/l	kg/day			
3,3-Dichlorobenzidine	☐								mg/l	kg/day			
Diethyl Phthalate	☐								mg/l	kg/day			
Dimethyl Phthalate	☐								mg/l	kg/day			
Di-N-Butyl Phthlate	☐								mg/l	kg/day			
2,4-Dinitrotoluene	☐								mg/l	kg/day			
2,6-Dinitrotoluene	☐								mg/l	kg/day			
Di-N-Octyl Phthalate	☐								mg/l	kg/day			
1,2-Diphenylhydrazine (as Azobenzel	☐								mg/l	kg/day			
Fluoranthene	☐								mg/l	kg/day			
Fluorene	☐								mg/l	kg/day			
Hexachlorobenzene	☐								mg/l	kg/day			
Hexachlorobutadiene	☐								mg/l	kg/day			
Hexachlorocyclopentadiene	☐								mg/l	kg/day			
Hexachloroethane	☐								mg/l	kg/day			
Indeno (1,2,3-cd) Pyrene	☐								mg/l	kg/day			
Isophorone	☐								mg/l	kg/day			
Napthalene	☐								mg/l	kg/day			
Nitrobenzene	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
N-Nitrosodimethylamine	☐								mg/l	kg/day			
N-Nitrosodi-N-Propylamine	☐								mg/l	kg/day			
N-Nitrosodiphenylamine	☐								mg/l	kg/day			
Phenanthrene	☐								mg/l	kg/day			
Pyrene	☐								mg/l	kg/day			
1,2,4-Trichlorobenzene	☐								mg/l	kg/day			
GC/MS Fraction - Pesticides													
Aldrin	☐								mg/l	kg/day			
Alpha-BHC	☐								mg/l	kg/day			
Beta-BHC	☐								mg/l	kg/day			
Gamma-BHC	☐								mg/l	kg/day			
Delta-BHC	☐								mg/l	kg/day			
Chlordane	☐								mg/l	kg/day			
4,4-DDT	☐								mg/l	kg/day			
4,4-DDE	☐								mg/l	kg/day			
4,4-DDD	☐								mg/l	kg/day			
Dieldrin	☐								mg/l	kg/day			
Alpha-Endosulfan	☐								mg/l	kg/day			
Beta-Endosulfan	☐								mg/l	kg/day			
Endosulfan Sulfate	☐								mg/l	kg/day			
Endrin	☐								mg/l	kg/day			
Endrin Aldehyde	☐								mg/l	kg/day			
Heptachlor	☐								mg/l	kg/day			
Heptachlor Epoxide	☐								mg/l	kg/day			
PCB-1242	☐								mg/l	kg/day			
PCB-1254	☐								mg/l	kg/day			
PCB-1221	☐								mg/l	kg/day			
PCB-1232	☐								mg/l	kg/day			
PCB-1248	☐								mg/l	kg/day			
PCB-1260	☐								mg/l	kg/day			
PCB-1016	☐								mg/l	kg/day			
Toxaphene	☐								mg/l	kg/day			

EPA ID Number

FORM 2F NPDES

U.S. ENVIRONMENTAL PROTECTION AGENCY

EPA Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

I. Outfall Location

OUTFALL NUMBER	LATITUDE			LONGITUDE			RECEIVING WATER
	DEG.	MIN.	SEC.	DEG.	MIN.	SEC.	
001	41	17	18	84	19	1	Maumee River
002	41	17	39	84	18	58	Maumee River
004	41	17	38	84	19	3	Maumee River
005	41	17	35	84	17	56	Maumee River

II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implication schedule for the construction, upgrading, or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative, or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

ite Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the discharge area of each storm water outfall; paved areas and buildings within the drainage area or each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Please view the Stormwater file for the requested information

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored, or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

ap metals are stored outside for recycling and managed properly. Sand and dust from foundry dust collectors are stored outside for recycling and disposal in the on-site landfill. Dust is properly managed per inspections and local job procedures.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Please view the Stormwater file for the requested information.

V. Nonstormwater Discharges

A. I certify under penalty of law that the oufall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharges from these outfall(s) are being identified in either an accompanying Form 2C or Form 2E application for the outfall.

AME AND OFFICIAL TITLE	SIGNATURE	DATE SIGNED
homas W Neelands lobal Director	Roberto S. Camp	03/21/2008

Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

here is an annual stormwater sampling event for Outfalls #004 and #005. This stormwater sampling event is sampled nd analyzed according to the requirements listed in the NPDES permit. During this sampling event a grab and a omposite sample of collected stormwater is analyzed for the parameters listed in the NPDES permit.

'I. Significant Leaks or Spills

'rovide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including he approximate date and location of the spill or leak, and the type and amount of material released.

lo reportable spills or leaks have occured in the last three years.

'II. Discharge Information

, B, C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided.
Tables VII-A, VII-B, VII-C are included on separate sheets numbered VII-1 and VII-2.

'art D - Provide data for the storm event(s) which resulted in the maximum values for the flow-weighted composite sample.

Date of m Event	Duration (in minutes)	Total rainfall during storm event (in inches)	Number of hours between beginning of storm measured and end of previous measureable rain event	Maximum flow rate during rain event (in gallons/minute)	Total flow from rain even (in gallons)
)7/11/2006	4320	3	120	200	60216
l1/12/2007	2880	1	120	100	7957
)1/08/2008	2880	1	120	100	90905
)6/08/2006	1440	0	72	10	10080
)9/08/2007	7200	1	288	10	50400
)1/01/2008	2880	0	72	10	20160
)1/08/2008	2880	1	120	50	112717

'rovide a description of the method of flow measurement or estimate.

he flow rate on Outfall 004 is measured using a flowmeter. The flow rate on Outfall 005 is a calculated estimate.

. Potential discharges not covered by analysis -- Is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance ich you currently use or manufacture as an intermediate or final product or by product?

○ Yes *(list all such pollutants below)* ● No *(go to Section IX)*

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a eceiving water in relation to your discharge within the last three years?

● Yes *(list all such pollutants below)* ○ No *(go to Section IX)*

As part of the current NPDES permit, the plant has conducted annual evaluations of acute and chronic toxicity. The results of the testing indicate that the plant effluent is less than 1.0 TUa and less than 1.0 TUc. The plant has used the following environmental laboratory to perform the effluent toxicity testing for the plant's NPDES requirements.

Global Environmental Consulting, LLC
223 W. Michigan Ave.
Clinton, MI 49236
(517) 456-6881

IX. Contract Analysis Information

Vere any of the analysis reported in Item VII performed by a contract laboratory or consulting firm?

● Yes *(list the name, address, and telephone number of, and pollutants analyzed by each such laboratory or firm below)* ○ No *(go to section X)*

NAME	ADDRESS	TELEPHONE (area code & no.)
Test America	4101 Shuffel Drive NW	(330) 497-9396
	North Canton OH 44720	

X. CERTIFICATION

POLLUTANTS ANALYZED
Biochemical Oxygen Demand
Chemical Oxygen Demand (CC
Total Organic Carbon (TOC)
Total Suspended Solids (TS
pH
Nitrate-Nitrite (as N)
Oil and Grease
Phosphorus (as P), Total
Nitrogen, Total Kjeldahl
Cadmium, Total (Cd)
Chlorine, Total Residual
Copper, Total (Cu)
Cyanide, Total
Lead, Total (Pb)
Mercury, Total
Selenium, Total (Se)
Arsenic, Total
Magnesium, Total
Bromide
Color
Fecal Coliform
Flouride
Nitrogen, Total Organic (a
Sulphate (as SO4)
Sulphide (as S)
Surfactants
Aluminum, Total
Barium, Total
Boron, Total
Cobalt, Total
Iron, Total
Molybdenum, Total
Manganese, Total
Tin, Total
Titanium, Total
Antimony, Total
Beryllium, Total
Chromium, Total
Nickel, Total
Silver, Total
Thallium, Total
Zinc, Total
Phenols, Total

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Beased on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibilty of fine and imprisonment for knowing violations.

A. NAME & OFFICIAL TITLE (type or print)	B. PHONE NO. (area code & no.)
Thomas W. Neelands Global Director	248-753-4296
C. SIGNATURE Rosego S. Camp	**D. DATE SIGNED** 03/27/2008

Item VII A, B & C *(continued from page 2 of Form 2-F)* [redacted] 001

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. Press F1 for additional details.

Pollutant	CAS Number	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Biochemical Oxygen Demand (BO		mg/l	kg/day	mg/l	kg/day		
Chemical Oxygen Demand (COD)		mg/l	kg/day	mg/l	kg/day		
Total Suspended Solids (TSS)		mg/l	kg/day	mg/l	kg/day		
pH							
Nitrate-Nitrite (as N)		mg/l	kg/day	mg/l	kg/day		
Oil and Grease		mg/l	kg/day	mg/l	kg/day		
Phosphorus (as P), Total	7723-14-0	mg/l	kg/day	mg/l	kg/day		
Nitrogen, Total Kjeldahl		mg/l	kg/day	mg/l	kg/day		

Part B - List each parameter that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. Press F1 for additional details and instructions.

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know of have reason to believe is present. Press F1 for the tables and for additional details and requirements. Complete one table for each outfall.

Item VII A, B & C *(continued from page 2 of Form 2-F)*

OUTFALL NO. 002

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. Press F1 for additional details.

Pollutant	CAS Number	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Biochemical Oxygen Demand (BO		mg/l	kg/day	mg/l	kg/day		
Chemical Oxygen Demand (COD)		mg/l	kg/day	mg/l	kg/day		
Total Suspended Solids (TSS)		mg/l	kg/day	mg/l	kg/day		
pH							
Nitrate-Nitrite (as N)		mg/l	kg/day	mg/l	kg/day		
Oil and Grease		mg/l	kg/day	mg/l	kg/day		
Phosphorus (as P), Total	7723-14-0	mg/l	kg/day	mg/l	kg/day		
Nitrogen, Total Kjeldahl		mg/l	kg/day	mg/l	kg/day		

Part B - List each parameter that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. Press F1 for additional details and instructions.

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know of have reason to believe is present. Press F1 for the tables and for additional details and requirements. Complete one table for each outfall.

Item VII A, B & C *(continued from page 2 of Form 2-F)* OUTFALL NO. 004

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. Press F1 for additional details.

Pollutant	CAS Number	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Biochemical Oxygen Demand (BO		6 mg/l	1 kg/day	3 mg/l	0 kg/day	3	
Chemical Oxygen Demand (COD)		180 mg/l	5 kg/day	98 mg/l	13 kg/day	3	
Total Suspended Solids (TSS)		900 mg/l	179 kg/day	613 mg/l	83 kg/day	3	
pH		9		9		3	
Nitrate-Nitrite (as N)		1 mg/l	0 kg/day	mg/l	kg/day	1	
Oil and Grease		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Phosphorus (as P), Total	7723-14-0	1 mg/l	0 kg/day	mg/l	kg/day	1	
Nitrogen, Total Kjeldahl		5 mg/l	1 kg/day	4 mg/l	1 kg/day	3	

Part B - List each parameter that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. Press F1 for additional details and instructions.

Pollutant	CAS Number	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Arsenic, Total (As)	7440382	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Barium Total (Ba)	7440393	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Cadmium, Total (Cd)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Carbon, Total Organic (TOC)		10 mg/l	0 kg/day	8 mg/l	1 kg/day	3	
Chromium, Total		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Copper, Total (Cu)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Cyanide, Total	40	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Lead, Total (Pb)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Mercury, Total (Hg)	7439976	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Nitrogen, Ammonia (NH3)	7664-41-7	2 mg/l	0 kg/day	1 mg/l	0 kg/day	3	
Selenium, Total (Se)	7782492	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Silver, Total (Ag)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know of have reason to believe is present. Press F1 for the tables and for additional details and requirements. Complete one table for each outfall.

Pollutant	CAS Number	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Aluminum, Total	7429-90-5	7 mg/l	1 kg/day	mg/l	kg/day	1	
Boron, Total	7440-42-8	0 mg/l	0 kg/day	mg/l	kg/day	1	
Color		60 mg/l	kg/day	mg/l	kg/day	1	

Pollutant	CAS Number	Maximum Values (inc units)				Average Values (in units)				Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes		Flow-weighted Composite		Grab Sample Taken During First 20 Minutes		Flow-weighted Composite			
Fecal Coliform		98	mg/l	17	kg/day		mg/l		kg/day	1	
Flouride	16984-48-8	5	mg/l	0	kg/day	6	mg/l	1	kg/day	2	
Iron, Total	7439-89-6	34	mg/l	7	kg/day	21	mg/l	3	kg/day	3	
Magnesium, Total	7439-95-4	12	mg/l	2	kg/day	10	mg/l	1	kg/day	3	
Manganese, Total	7439-96-5	1	mg/l	0	kg/day	1	mg/l	0	kg/day	3	
Sulphate (as SO4)	14808-79-8	60	mg/l	11	kg/day	54	mg/l	7	kg/day	2	
Titanium, Total	7440-32-6	0	mg/l	0	kg/day		mg/l		kg/day	1	
Zinc, Total	7440-66-6	0	mg/l	0	kg/day	0	mg/l	0	kg/day	3	

Item VII A, B & C *(continued from page 2 of Form 2-F)*

OUTFALL NO. 005

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. Press F1 for additional details.

Pollutant	CAS Number	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Biochemical Oxygen Demand (BO		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Chemical Oxygen Demand (COD)		15 mg/l	1 kg/day	5 mg/l	0 kg/day	3	
Total Suspended Solids (TSS)		140 mg/l	5 kg/day	56 mg/l	2 kg/day	3	
pH		8		8		3	
Nitrate-Nitrite (as N)		1 mg/l	0 kg/day	mg/l	kg/day	1	
Oil and Grease		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Phosphorus (as P), Total	7723-14-0	0 mg/l	0 kg/day	mg/l	kg/day	1	
Nitrogen, Total Kjeldahl		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	

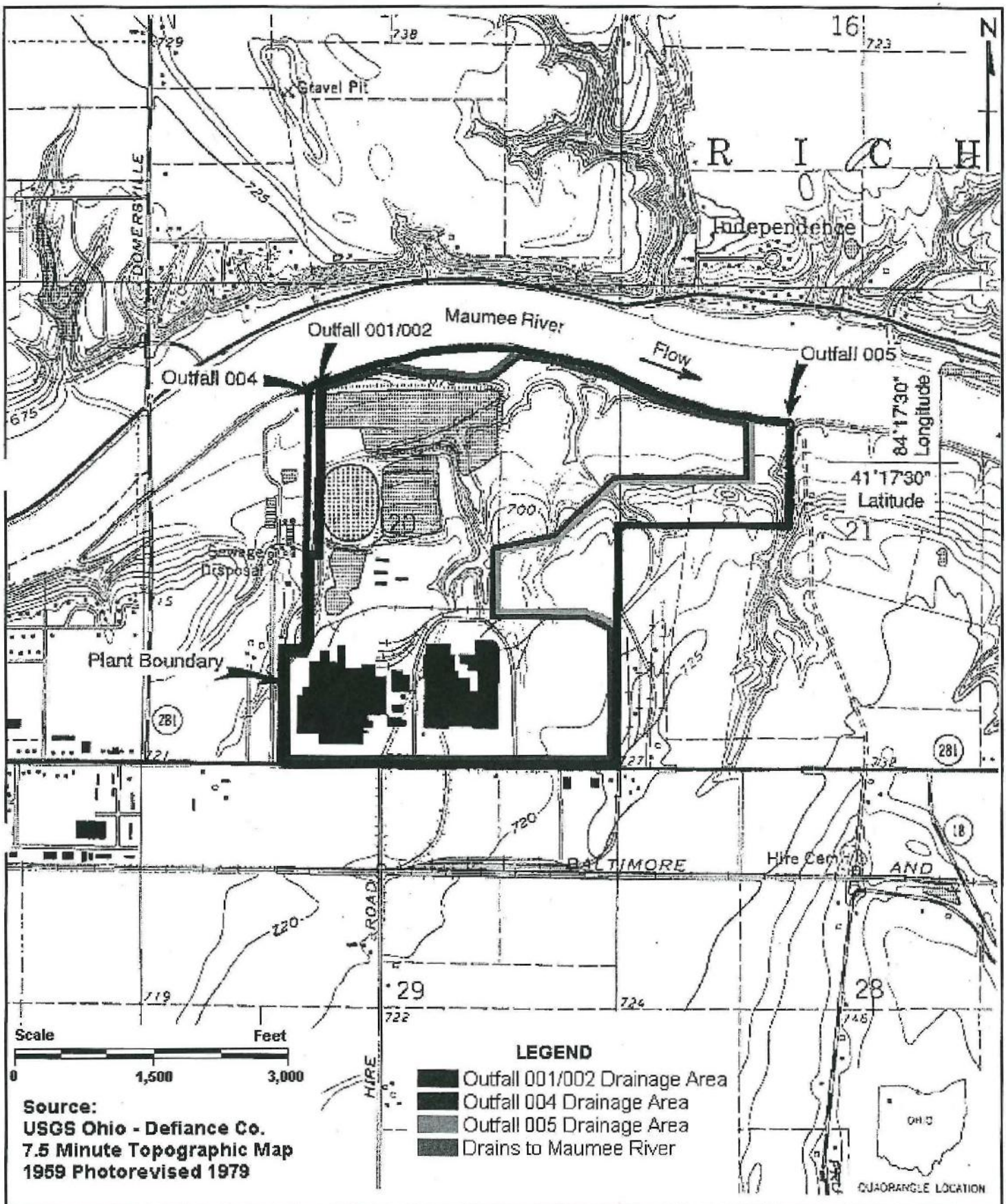
Part B - List each parameter that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. Press F1 for additional details and instructions.

Pollutant	CAS Number	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Arsenic, Total (As)	7440382	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Barium Total (Ba)	7440393	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Cadmium, Total (Cd)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Carbon, Total Organic (TOC)		8 mg/l	0 kg/day	7 mg/l	0 kg/day	3	
Chloride, Total		21 mg/l	1 kg/day	16 mg/l	1 kg/day	2	
Chromium, Total		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Copper, Total (Cu)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Cyanide, Total		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Fluoride, Total (F)		2 mg/l	0 kg/day	2 mg/l	0 kg/day	3	
Iron, Total (Fe)		3 mg/l	0 kg/day	2 mg/l	0 kg/day	3	
Lead, Total (Pb)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Magnesium, Total (Mg)	7439954	38 mg/l	1 kg/day	32 mg/l	1 kg/day	3	
Manganese, Total		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Mercury, Total (Hg)	7439976	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Nitrogen, Ammonia (NH3)	7664-41-7	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Phenolic 4AAP, Total		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Selenium, Total (Se)	7782492	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Silver, Total (Ag)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Sulfate, (SO4)	14808798	85 mg/l	3 kg/day	80 mg/l	3 kg/day	3	
Zinc, Total (Zn)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know of have reason to believe is present. Press F1 for the tables and for additional details and

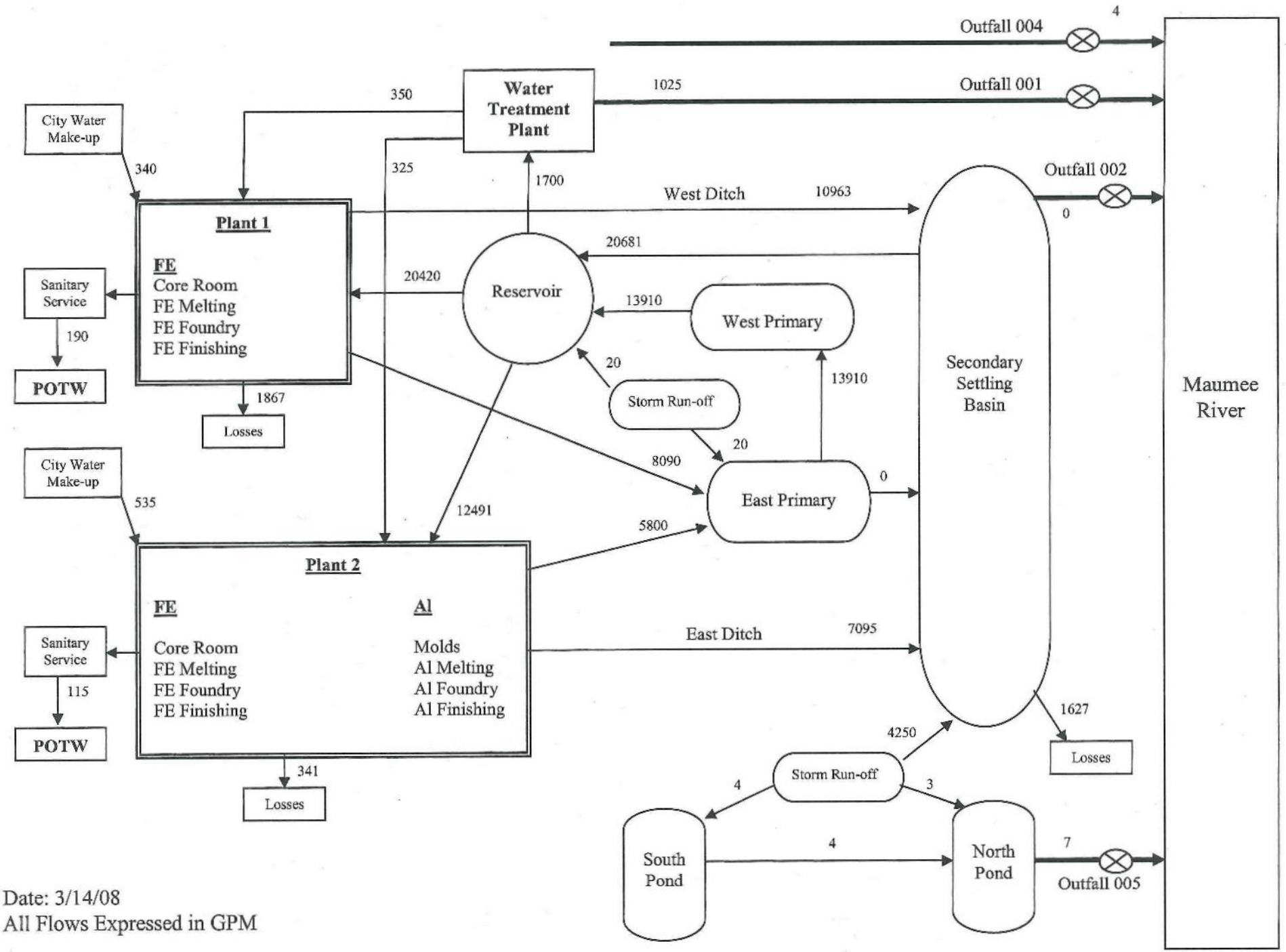
requirements. Complete one table for each outfall.

Pollutant	CAS Number	Maxim. alues (include units)		Ave. Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Aluminum, Total	7429-90-5	0 mg/l	0 kg/day	mg/l	kg/day	1	
Boron, Total	7440-42-8	0 mg/l	0 kg/day	mg/l	kg/day	1	
Color		10 mg/l	kg/day	mg/l	kg/day	1	



WATERSYSTEMS			PROJECT NO.: 3598-64	General Motors Corporation Defiance, Ohio
DWN BY: MP	CHK'D BY SA	SCALE	FIGURE NO.: Figure 1	Topographic Map and Drainage Area
APPR BY:	DATE 07/29/98	FILE NAME Figure 1.ppt		

GMPT Defiance Water Balance



Date: 3/14/08
All Flows Expressed in GPM

RECEIVED
MAR 31 2008
OHIO E.P.A.
N.W.D.O.

OhioEPA
State of Ohio Environmental Protection Agency

DIVISION OF SURFACE WATER

Antidegradation Addendum

In accordance with Ohio Administrative Code 3745-1-05 (Antidegradation), additional information may be required to complete your application for a permit to install or NPDES permit. For any application that may result in an increase in the level of pollutants being discharged (NPDES and/or PTI) or for which there might be activity taking place within a stream bed, the processing of the permit(s) may be required to go through procedures as outlined in the antidegradation rule. The rule outlines procedures for public notification and participation as well as procedures pertaining to the levels of review necessary. The levels of review necessary depend on the degradation being considered/requested. The rule also outlines exclusions from portions of the application and review requirements and waivers that the Director may grant as specified in Section 3745-1-05(D) of the rule. Please complete the following questions. The answers provided will allow the Ohio EPA to determine if additional information is needed. **All projects that require both an NPDES and PTI should submit both applications simultaneously to avoid going through the antidegradation process separately for each permit.**

A. Applicant: General Motors Powertrain Defiance Plant

Facility Owner: General Motors Corporation

Facility Location (city and county): Defiance, Defiance County

Application or Plans Prepared By: Jaki White

Project Name: NPDES Renewal

NPDES Permit Number (if applicable): 2IN00004*HA

B. Antidegradation Applicability

Is the application for? (check as many as apply):

____ Application with no direct surface water discharge (Projects that do not meet the applicability section of 3745-1-05(B)1, i.e., on-site disposal, extensions of sanitary sewers, spray irrigation, indirect discharger to POTW, etc.). (Complete Section E)

✓ Renewal NPDES application or PTI application with no requested increase in loading of currently permitted pollutants. (Complete Section E, Do not complete Sections C or D).

____ PTI and NPDES application for a new wastewater treatment works that will discharge to a surface water. (Complete Sections C and E)

____ An expansion/modification of an existing wastewater treatment works discharging to a surface water that will result in any of the following (PTI and NPDES): (Complete Sections C and E)
- addition of any pollutant not currently in the discharge, or
- an increase in mass or concentration of any pollutant currently in the discharge, or
- an increase in any current pollutant limitation in terms of mass or concentration.

Click to clear all entered information (on all 4 pages of this form) CLEAR

sewer service outlined in state or local water quality management planning documents and applicable facility planning documents.

b. List and describe all government and/or privately sponsored conservation projects that may have been or will be specifically targeted to improve water quality or enhance recreational opportunities on the affected water resource.

c. Provide a brief description below of all treatment/disposal alternatives evaluated for this application and their respective operational and maintenance needs. (If additional space is needed please attach additional sheets to the end of this addendum).

Preferred design alternative:

Non-degradation alternative(s):

Minimal degradation alternative(s):

Mitigative technique/measure(s):

At a minimum, the following information must be included in the report for each alternative evaluated.

d. Outline of the treatment/disposal system evaluated, including the costs associated with the equipment, installation, and continued operation and maintenance.

e. Identify the substances to be discharged, including the amount of regulated pollutants to be discharged in terms of mass and concentration.

f. Describe the reliability of the treatment/disposal system, including but not limited to the possibility of recurring operation and maintenance difficulties that would lead to increased degradation.

g. Describe any impacts to human health and the overall quality and value of the water resource.

h. Describe and provide an estimate of the important social and economic benefits to be realized through this proposed project. Include the number and types of jobs created and tax revenues generated.

i. Describe environmental benefits to be realized through this proposed project.

j. Describe and provide an estimate of the social and economic benefits that may be lost as a result of this project. Include the impacts on commercial and recreational use of the water resource.

NTINUED FROM THE FRONT

I. SIC CODES (4-digit, in order of priority)

A. FIRST		B. SECOND	
321	(specify) Grey Iron Foundry	3315	(specify) Aluminum Casting Foundry
C. THIRD		**D. FOURTH**	
—	(specify)	—	(specify)

III. OPERATOR INFORMATION

A. NAME	B. Is the name listed in Item VIII-A also the owner?
eneral Motors Coporation; Thomas Neelands	○ Yes ● No

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)			D. PHONE (area code & no.)
F = FEDERAL S = STATE P = PRIVATE	M = PUBLIC (other than federal or state) O = OTHER (specify)	P (specify)	(248) 753-4296

E. STREET OR P.O. BOX

000 Centerpoint Parkway

F. CITY OR TOWN	G. STATE	H. ZIP CODE	IX. INDIAN LAND
Pontiac	MI	48341	Is this facility located on Indian lands? ○ Yes ● No

ISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to surface water)	D. PSD (Air emissions from proposed sources)	
2IN00004*HD	03-20-01-0001	
B. UIC (Underground injection of fluids)	**E. OTHER (specify)**	
N/A	Land Fill License	(specify) Solid Waste Facility License Class III
C. RCRA (Hazardous waste)	**F. OTHER (specify)**	
OHD005050273	N/A	(specify)

G. MAP

Attach to this application a topographical map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers, and other surface water bodies in the map area. See instructions for precise requirements. ● Yes ○ No

XII. NATURE OF BUSINESS (provide a brief description)

duction facility for manufacture of aluminum, grey, malleable, and nodular iron castings or automotive and industrial uses.

XIII. CERTIFICATION (see instructions)

I certify under penalty of law that I have personally examined and am famimliar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I belive that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
Thomas W Neelands Global Director		03/27/2008 00/00/0000

COMMENTS FOR OFFICIAL USE ONLY

FORM 2C NPDES

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING, AND SILVICULTURAL OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	
001	41	17	18	84	19	1	Maumee River
~~002~~	~~41~~	~~17~~	~~39~~	~~84~~	~~18~~	~~58~~	~~Maumee River~~
~~004~~	~~41~~	~~17~~	~~38~~	~~84~~	~~19~~	~~3~~	~~Maumee River~~
005	41	17	35	84	17	56	Maumee River

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

Please view the Swimware file for the requested information.

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

○ Yes ● No

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

● YES *(complete Item III-B)* ○ NO *(go to Section IV)*

B. Are the limitations in the applicable effluent guideline expressed in terms of production *(or other measure of operation)*?

○ YES *(complete Item III-C)* ● NO *(go to Section IV)*

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

IV. IMPROVEMENTS

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

○ YES *(complete the following table)* ● NO *(go to Item IV-B)*

B. OPTIONAL: You may attach additional sheets describing any additional water pollution prevention control programs *(or other environmental projects which may affect your discharges)* you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

☐ MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAMS IS ATTACHED

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding -- Complete one set of tables for each outfall -- Annotate the outfall number in the space provided.

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)

Form Approved.
OMB No. 2040-0086.
Approval expires 3-31-98.

Please print or type in the unshaded areas only.

FORM 2C NPDES

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (*list*)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (*name*)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (*e.g., for certain mining activities*), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (*list*)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (*list*)	b. AVERAGE FLOW (*include units*)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	Cupola cooling water	2 mgd		1C	
	Cupola emissions system			1B	
	Slurry system			1D	
	Dust collection			2A	
	Core machine cooling			2C	
	A/C condensate			2J	
	Evaporative cooler			4K	
	Make-up air units			4A	
	Stormwater			5Q	
	Core Box Cleaning				
	Dredging operation				
	Maint. parts cleaning steam booth				
	Plant 1 core dip				
	Cold box tool cleaning				
	Urea container cleaning				
	Floor washdowns				
	Landfill leachate & pumping station				
	Tool Cleaning				

OFFICIAL USE ONLY (*effluent guidelines sub-categories*)

EPA I.D. NUMBER (*copy from Item 1 of Form 1*)

Form Approved.
OMB No. 2040-0086.
Approval expires 3-31-98.

Please print or type in the unshaded areas only.

FORM 2C NPDES

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS
Consolidated Permits Program

I. OUTFALL LOCATION

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. OUTFALL NUMBER (*list*)	B. LATITUDE			C. LONGITUDE			D. RECEIVING WATER (*name*)
	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	

II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGIES

A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent, and treatment units labeled to correspond to the more detailed descriptions in Item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, and outfalls. If a water balance cannot be determined (e.g., *for certain mining activities*), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.

B. For each outfall, provide a description of: (1) All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and storm water runoff; (2) The average flow contributed by each operation; and (3) The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO. (*list*)	2. OPERATION(S) CONTRIBUTING FLOW		3. TREATMENT		
	a. OPERATION (*list*)	b. AVERAGE FLOW (*include units*)	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
002	Cupola cooling water	0 mgd		1S	
	Cupola emissions system			1D	
	Slurry system			2C	
	Dust collection			5K	
	Core machine cooling			1A	
	A/C condensate				
	Evaporative cooler				
	Make-up air units				
	Stormwater				
	Core Box Cleaning				
	Dredging operation				
	Maint. parts cleaning steam booth				
	Plant 1 core dip				
	Cold box tool cleaning				
	Core container cleaning				
	Floor washdowns				
	Landfill leachate & pumping station				
	Tool Cleaning				

OFFICIAL USE ONLY (*effluent guidelines sub-categories*)

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
001	88 acres	1075 acres	004	1.5 acres on site	29 acres on site, several acres off site
002	88 acres	1075 acres	005	0 acres	27 acres

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas, and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
001	cupola cooling water, cupola emissions system, slurry system, dust collection, core machine cooling, a/c condensate, evaporative cooler, make-up air units, stormwater, core box cleaning, dredging operation, maint. parts cleaning steam booth, plt 1 core dip, cold box tool cleaning, core container cleaning, floor washdowns, landfill leachate & pumping station, tool cleaning	1C, 1R, 1U, 2A, 2C, 2U, 5B, 4A, 5Q, 4C

V. Nonstormwater Discharges

A. I certify under penalty of law hat the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharged from these outfall(s) are identified in either an accompanying Form 2C or From 2E application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
001	88 acres	1075 acres	004	1.5 acres on site	29 acres on site, several acres off site
002	88 acres	1075 acres	005	0 acres	27 acres

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas, and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
004	Storm water ditch on west end of property to river with a pump station designed to capture and pump first flush of storm events into the process water	1U, 4A
005	Storm water discharge from landfill runoff basin to river on northeast corner of property	1U, 4A

V. Nonstormwater Discharges

A. I certify under penalty of law hat the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharged from these outfall(s) are identified in either an accompanying Form 2C or From 2E application for the outfall.

Name and Official Title (type or print)	Signature	Date Signed

B. Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

NOTE: Tables V-A, V-B, and V-C are included on separate sheets numbered V-1 through V-9.

Use the space below to list any of the pollutants listed in Table 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermedalte or final product or /product?

○ YES *(list all such pollutants below)* ● NO *(go to Item VI-B)*

VII. BIOLOGICAL TOXICITY TESTING DATA

o you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a ceiving water in relation to your discharge within the last 3 years?

● YES *(identify the test(s) and describe their purposes below)* ○ NO *(go to Section VIII)*

part of the current NPDES permit, the plant has conducted annual evaluations of acute and chronic toxicity. The sults of the testing indicate that the plant effluent is less than 1.0 TUa and less than 1.0 TUc. The plant has used e following environmental laboratory to perform the effluent toxicity testing for the plant's NPDES requirements.

1 Environmental Consulting, LLC
. W. Michigan Ave.
inton, MI 49236
17) 456-6881

VIII. CONTRACT ANAYLSYS INFORMATION

ere any of the anayises reported in Item V performed by a contract laboratory or consulting firm?

● YES *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)* ○ NO *(go to Section IX)*

A. NAME	B. ADDRESS	C. TELEPHONE *(area code & no.)*
st America	4101 Shuffel Drive NW	(330) 497-9396
	North Canton OH 44720-	

X. CERTIFICATION

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ssure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or hose persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

ME & OFFICIAL TITLE *(type or print)*	B. PHONE NO. *(area code & no.)*
Thomas W. Neelands, Global Director	248-753-4296
. SIGNATURE Robert S Crimp	D. DATE SIGNED 03/27/2008

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

OUTFALL NO. 001

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Biochemical Oxygen Demand (BOD)	14	127.87					1	mg/l	kg/day			
Chemical Oxygen Demand (COD)	42.2	385.44					1	mg/l	kg/day			
Total Organic Carbon (TOC)	35	319.67					1	mg/l	kg/day			
Total Suspended Solids (TSS)	25	182.79			5.8	33.95	43	mg/l	kg/day	13.33		42
Ammonia (as N)	26	190.37			8.7	51.01	44	mg/l	kg/day	8.5		42
Flow	2.51				1.55		44	mgd	kg/day			
Temperature (Winter)	6				9.4		14	°C				
Temperature (Summer)	26				23.3		10	°C				
pH	7.7						44	Standard Units				

PART B - Mark 'X' in column 2-a for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Bromide	X	.9	8.22					1	mg/l	kg/day			
Chlorine, Total Residual	X	.03	.09			.003	.02	44	mg/l	kg/day	.023		42
Color	X	11						1	mg/l	kg/day			
Fecal Coliform	X	6	54.8					1	mg/l	kg/day			
Fluoride	X	17.9	163.49					1	mg/l	kg/day			
Nitrate-Nitrate (as N)	X	.8	7.31					1	mg/l	kg/day			
Nitrogen, Total Organic (as N)	X	3	27.4					1	mg/l	kg/day			
Oil and Grease									mg/l	kg/day	0		42
Phosphorus (as P), Total	X	.11	1					1	mg/l	kg/day			
Radioactivity:(1) Alpha, Total									mg/l	kg/day			
Radioactivity:(2) Beta, Total									mg/l	kg/day			
Radioactivity:(3) Radium, Total									mg/l	kg/day			
Radioactivity:(4) Radium 226, Total									mg/l	kg/day			
Sulfate (as SO4)	X	181	1653.17					1	mg/l	kg/day			
Sulfide (as S)									mg/l	kg/day			
Sulfite (as SO3)									mg/l	kg/day			
Surfactants									mg/l	kg/day			
Aluminum, Total									mg/l	kg/day			
Barium, Total									mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Boron, Total	X	.436	3.98					1	mg/l	kg/day			
Cobalt, Total									mg/l	kg/day			
Iron, Total	X	.349	3.19					1	mg/l	kg/day			
Magnesium, Total	X	13.5	123.3					1	mg/l	kg/day			
Molybdenum, Total	X	74.2	.60			49.34	.29	5	ug/l	kg/day	66.03		4
Manganese, Total	X	.78	7.12					1	mg/l	kg/day			
Tin, Total									mg/l	kg/day			
Titanium, Total									mg/l	kg/day			

PART C - If you are primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark 'X' in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and non required GC/MS fractions), mark 'X' in column 2-b for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2, 4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the resutls of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Metals, Cyanids, and Total Phenols													
Antimony, Total									ug/l	kg/day	2.5		4
Arsenic, Total									mg/l	kg/day			
Beryllium, Total									mg/l	kg/day			
Cadmium, Total									ug/l	kg/day	0		4
Chromium, Total									mg/l	kg/day			
Copper, Total									ug/l	kg/day	2.27		42
Lead, Total	X	17.1	.12			3.58	.02	44	ug/l	kg/day	12.25		42
Mercury, Total	X	.71	5.63			.26	1.51	5	mg/l	kg/day			
Nickel, Total									mg/l	kg/day			
Selenium, Total									mg/l	kg/day			
Silver, Total									mg/l	kg/day			
Thallium, Total									mg/l	kg/day			
Zinc, Total	X	156	1.21			56.11	.33	44	ug/l	kg/day	162.6		42
Cyanide, Total	X	.02	.12			.003	.02	5	mg/l	kg/day	.003		4
Phenols, Total	X	170	1.55			17.61	.10	44	ug/l	kg/day	17.67		42
Dioxin													
2,3,7,8-Tetrachlorodibenzo-P-Dioxin									mg/l	kg/day			
GC/MS Fraction - Volatile Compounds													
Acrolein									mg/l	kg/day			
Acrylonitrile									mg/l	kg/day			
Benzene									mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Volatile Compounds													
Bis (Chloromethyl) Ether	☐								mg/l	kg/day			
Bromoform	☐								mg/l	kg/day			
Carbon Tetrachloride	☐								mg/l	kg/day			
Chlorobenzene	☐								mg/l	kg/day			
Chlorodibromomethane	☐								mg/l	kg/day			
Chloroethane	☐								mg/l	kg/day			
2-Chloroethylvinyl Ether	☐								mg/l	kg/day			
Chloroform	☐								mg/l	kg/day			
Dichlorobromomethane	☐								mg/l	kg/day			
Dichlorodiflouromethane	☐								mg/l	kg/day			
1,1-Dichloroethane	☐								mg/l	kg/day			
1,2-Dichloroethane	☐								mg/l	kg/day			
1,1-Dichloroethylene	☐								mg/l	kg/day			
1,2-Dichloropropane	☐								mg/l	kg/day			
1,3-Dichloropropylene	☐								mg/l	kg/day			
Ethylbenzene	☐								mg/l	kg/day			
Methyl Bromide	☐								mg/l	kg/day			
Methyl Chloride	☐								mg/l	kg/day			
Methylene Chloride	☐								mg/l	kg/day			
1,1,2,2-Tetrachloroethane	☐								mg/l	kg/day			
Tetrachloroethylene	☐								mg/l	kg/day			
Toluene	☐								mg/l	kg/day			
1,2-Transdichloroethylene	☐								mg/l	kg/day			
1,1,1-Trichloroethane	☐								mg/l	kg/day			
1,1,2-Trichloroethane	☐								mg/l	kg/day			
Trichloroethylene	☐								mg/l	kg/day			
Trichlorofluoromethane	☐								mg/l	kg/day			
Vinyl Chloride	☐								mg/l	kg/day			
GC/MS Fraction - Acid Compounds													
2-Chlorophenol	☐								mg/l	kg/day			
2,4-Dichlorophenol	☐								mg/l	kg/day			
2,4-Dimethyphenol	☐								mg/l	kg/day			
4,6-Dinitro-O-Cresol	☐								mg/l	kg/day			
2,4-Dinitrophenol	☐								mg/l	kg/day			
2-Nitrophenol	☐								mg/l	kg/day			
4-Nitrophenol	☐								mg/l	kg/day			
P-Chloro-M-Cresol	☐								mg/l	kg/day			
Pentachlorophenol	☐								mg/l	kg/day			
Phenol	☐								mg/l	kg/day			
2,4,6-Trichlorophenol	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
Acenaphthene	☐								mg/l	kg/day			
Acenaphtylene	☐								mg/l	kg/day			
Anthracene	☐								mg/l	kg/day			
Benzidine	☐								mg/l	kg/day			
Benzo (a) Anthracene	☐								mg/l	kg/day			
Benzo (a) Pyrene	☐								mg/l	kg/day			
Benzofluoranthene	☐								mg/l	kg/day			
Benzo (ghi) Perylene	☐								mg/l	kg/day			
Benzo (k) Fluoranthene	☐								mg/l	kg/day			
Bis (2-Chloroethoxy) Methane	☐								mg/l	kg/day			
Bis (2-Chloroethyl) Ether	☐								mg/l	kg/day			
Bis (2-Chloroisopropyl) Ether	☐								mg/l	kg/day			
Bis (2-Ehtylhexyl) Phthalate	☐								mg/l	kg/day			
4-Bromophenyl Phenyl	☐								mg/l	kg/day			
Butyl Benzyl Phthalate	☐								mg/l	kg/day			
2-Chloronaphthalene	☐								mg/l	kg/day			
4-Chlorophenyl Phenyl Ether	☐								mg/l	kg/day			
Chrysene	☐								mg/l	kg/day			
Dibenzo (a,h) Anthracene	☐								mg/l	kg/day			
1,2,-Dichlorobenzene	☐								mg/l	kg/day			
1,3-Dicholorobenzene	☐								mg/l	kg/day			
1,4-Dichlorobenzene	☐								mg/l	kg/day			
3,3-Dichlorobenzidine	☐								mg/l	kg/day			
Diethyl Phthalate	☐								mg/l	kg/day			
Dimethyl Phthalate	☐								mg/l	kg/day			
Di-N-Butyl Phthlate	☐								mg/l	kg/day			
2,4-Dinitrotoluene	☐								mg/l	kg/day			
2,6-Dinitrotoluene	☐								mg/l	kg/day			
Di-N-Octyl Phthalate	☐								mg/l	kg/day			
1,2-Diphenylhydrazine (as Azobenzer	☐								mg/l	kg/day			
Fluoranthene	☐								mg/l	kg/day			
Fluorene	☐								mg/l	kg/day			
Hexachlorobenzene	☐								mg/l	kg/day			
Hexachlorobutadiene	☐								mg/l	kg/day			
Hexachlorocyclopentadiene	☐								mg/l	kg/day			
Hexachloroethane	☐								mg/l	kg/day			
Indeno (1,2,3-cd) Pyrene	☐								mg/l	kg/day			
Isophorone	☐								mg/l	kg/day			
Napthalene	☐								mg/l	kg/day			
Nitrobenzene	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
N-Nitrosodimethylamine	☐								mg/l	kg/day			
N-Nitrosodi-N-Propylamine	☐								mg/l	kg/day			
N-Nitrosodiphenylamine	☐								mg/l	kg/day			
Phenanthrene	☐								mg/l	kg/day			
Pyrene	☐								mg/l	kg/day			
1,2,4-Trichlorobenzene	☐								mg/l	kg/day			
GC/MS Fraction - Pesticides													
Aldrin	☐								mg/l	kg/day			
Alpha-BHC	☐								mg/l	kg/day			
Beta-BHC	☐								mg/l	kg/day			
Gamma-BHC	☐								mg/l	kg/day			
Delta-BHC	☐								mg/l	kg/day			
Chlordane	☐								mg/l	kg/day			
4,4-DDT	☐								mg/l	kg/day			
4,4-DDE	☐								mg/l	kg/day			
4,4-DDD	☐								mg/l	kg/day			
Dieldrin	☐								mg/l	kg/day			
Alpha-Endosulfan	☐								mg/l	kg/day			
Beta-Endosulfan	☐								mg/l	kg/day			
Endosulfan Sulfate	☐								mg/l	kg/day			
Endrin	☐								mg/l	kg/day			
Endrin Aldehyde	☐								mg/l	kg/day			
Heptachlor	☐								mg/l	kg/day			
Heptachlor Epoxide	☐								mg/l	kg/day			
PCB-1242	☐								mg/l	kg/day			
PCB-1254	☐								mg/l	kg/day			
PCB-1221	☐								mg/l	kg/day			
PCB-1232	☐								mg/l	kg/day			
PCB-1248	☐								mg/l	kg/day			
PCB-1260	☐								mg/l	kg/day			
PCB-1016	☐								mg/l	kg/day			
Toxaphene	☐								mg/l	kg/day			

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

OUTFALL NO. 002

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	d. NO. OF ANALYSES
Biochemical Oxygen Demand (BOD)	16						1	mg/l	kg/day			
Chemical Oxygen Demand (COD)	41.2						1	mg/l	kg/day			
Total Organic Carbon (TOC)	37						1	mg/l	kg/day			
Total Suspended Solids (TSS)	12						1	mg/l	kg/day			
Ammonia (as N)	11				7.2		2	mg/l	kg/day			
Flow	4.5						1	mgd	kg/day			
Temperature (Winter)	2.7						1	°C				
Temperature (Summer)	10.8						1	°C				
pH	7						2	Standard Units				

PART B - Mark 'X' in column 2-a for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	d. NO. OF ANALYSES
Bromide	X	.8						1	mg/l	kg/day			
Chlorine, Total Residual	X	.1						1	mg/l	kg/day			
Color	X	40						1	mg/l	kg/day			
Fecal Coliform	X	2						1	mg/l	kg/day			
Fluoride	X	18						1	mg/l	kg/day			
Nitrate-Nitrate (as N)	X	1						1	mg/l	kg/day			
Nitrogen, Total Organic (as N)	X	4						1	mg/l	kg/day			
Oil and Grease									mg/l	kg/day			
Phosphorus (as P), Total	X	.5						1	mg/l	kg/day			
Radioactivity:(1) Alpha, Total									mg/l	kg/day			
Radioactivity:(2) Beta, Total									mg/l	kg/day			
Radioactivity:(3) Radium, Total									mg/l	kg/day			
Radioactivity:(4) Radium 226, Total									mg/l	kg/day			
Sulfate (as SO4)	X	186						1	mg/l	kg/day			
Sulfide (as S)									mg/l	kg/day			
Sulfite (as SO3)									mg/l	kg/day			
Surfactants									mg/l	kg/day			
Aluminum, Total	X	.4						1	mg/l	kg/day			
Barium, Total									mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Boron, Total	X	.5						1	mg/l	kg/day			
Cobalt, Total									mg/l	kg/day			
Iron, Total	X	2.4						1	mg/l	kg/day			
Magnesium, Total	X	14.9						1	mg/l	kg/day			
Molybdenum, Total									mg/l	kg/day			
Manganese, Total	X	1.2						1	mg/l	kg/day			
Tin, Total									mg/l	kg/day			
Titanium, Total									mg/l	kg/day			

PART C - If you are primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark 'X' in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and non required GC/MS fractions), mark 'X' in column 2-b for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2, 4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the resutls of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Metals, Cyanids, and Total Phenols													
Antimony, Total									mg/l	kg/day			
Arsenic, Total									mg/l	kg/day			
Beryllium, Total									mg/l	kg/day			
Cadmium, Total									mg/l	kg/day			
Chromium, Total									mg/l	kg/day			
Copper, Total	X	11.7				5.9		2	ug/l	kg/day			
Lead, Total	X	24.1				12.1		2	ug/l	kg/day			
Mercury, Total									mg/l	kg/day			
Nickel, Total									mg/l	kg/day			
Selenium, Total									mg/l	kg/day			
Silver, Total									mg/l	kg/day			
Thallium, Total									mg/l	kg/day			
Zinc, Total	X	1210				893		2	ug/l	kg/day			
Cyanide, Total	X	.01						1	mg/l	kg/day			
Phenols, Total	X	.1						1	mg/l	kg/day			
Dioxin													
2,3,7,8-Tetrachlorodibenzo-P-Dioxin									mg/l	kg/day			
GC/MS Fraction - Volatile Compounds													
Acrolein									mg/l	kg/day			
Acrylonitrile									mg/l	kg/day			
Benzene									mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Volatile Compounds													
Bis (Chloromethyl) Ether	☐								mg/l	kg/day			
Bromoform	☐								mg/l	kg/day			
Carbon Tetrachloride	☐								mg/l	kg/day			
Chlorobenzene	☐								mg/l	kg/day			
Chlorodibromomethane	☐								mg/l	kg/day			
Chloroethane	☐								mg/l	kg/day			
2-Chloroethylvinyl Ether	☐								mg/l	kg/day			
Chloroform	☐								mg/l	kg/day			
Dichlorobromomethane	☐								mg/l	kg/day			
Dichlorodiflouromethane	☐								mg/l	kg/day			
1,1-Dichloroethane	☐								mg/l	kg/day			
1,2-Dichloroethane	☐								mg/l	kg/day			
1,1-Dichloroethylene	☐								mg/l	kg/day			
1,2-Dichloropropane	☐								mg/l	kg/day			
1,3-Dichloropropylene	☐								mg/l	kg/day			
Ethylbenzene	☐								mg/l	kg/day			
Methyl Bromide	☐								mg/l	kg/day			
Methyl Chloride	☐								mg/l	kg/day			
Methylene Chloride	☐								mg/l	kg/day			
1,1,2,2-Tetrachloroethane	☐								mg/l	kg/day			
Tetrachloroethylene	☐								mg/l	kg/day			
Toluene	☐								mg/l	kg/day			
1,2-Transdichloroethylene	☐								mg/l	kg/day			
1,1,1-Trichloroethane	☐								mg/l	kg/day			
1,1,2-Trichloroethane	☐								mg/l	kg/day			
Trichloroethylene	☐								mg/l	kg/day			
Trichlorofluoromethane	☐								mg/l	kg/day			
Vinyl Chloride	☐								mg/l	kg/day			
GC/MS Fraction - Acid Compounds													
2-Chlorophenol	☐								mg/l	kg/day			
2,4-Dichlorophenol	☐								mg/l	kg/day			
2,4-Dimethyphenol	☐								mg/l	kg/day			
4,6-Dinitro-O-Cresol	☐								mg/l	kg/day			
2,4-Dinitrophenol	☐								mg/l	kg/day			
2-Nitrophenol	☐								mg/l	kg/day			
4-Nitrophenol	☐								mg/l	kg/day			
P-Chloro-M-Cresol	☐								mg/l	kg/day			
Pentachlorophenol	☐								mg/l	kg/day			
Phenol	☐								mg/l	kg/day			
2,4,6-Trichlorophenol	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
Acenaphthene	☐								mg/l	kg/day			
Acenaphtylene	☐								mg/l	kg/day			
Anthracene	☐								mg/l	kg/day			
Benzidine	☐								mg/l	kg/day			
Benzo (a) Anthracene	☐								mg/l	kg/day			
Benzo (a) Pyrene	☐								mg/l	kg/day			
Benzofluoranthene	☐								mg/l	kg/day			
Benzo (ghi) Perylene	☐								mg/l	kg/day			
Benzo (k) Fluoranthene	☐								mg/l	kg/day			
Bis (2-Chloroethoxy) Methane	☐								mg/l	kg/day			
Bis (2-Chloroethyl) Ether	☐								mg/l	kg/day			
Bis (2-Chloroisopropyl) Ether	☐								mg/l	kg/day			
Bis (2-Ehtylhexyl) Phthalate	☐								mg/l	kg/day			
4-Bromophenyl Phenyl	☐								mg/l	kg/day			
Butyl Benzyl Phthalate	☐								mg/l	kg/day			
2-Chloronaphthalene	☐								mg/l	kg/day			
4-Chlorophenyl Phenyl Ether	☐								mg/l	kg/day			
Chrysene	☐								mg/l	kg/day			
Dibenzo (a,h) Anthracene	☐								mg/l	kg/day			
1,2,-Dichlorobenzene	☐								mg/l	kg/day			
1,3-Dicholorobenzene	☐								mg/l	kg/day			
1,4-Dichlorobenzene	☐								mg/l	kg/day			
3,3-Dichlorobenzidine	☐								mg/l	kg/day			
Diethyl Phthalate	☐								mg/l	kg/day			
Dimethyl Phthalate	☐								mg/l	kg/day			
Di-N-Butyl Phthlate	☐								mg/l	kg/day			
2,4-Dinitrotoluene	☐								mg/l	kg/day			
2,6-Dinitrotoluene	☐								mg/l	kg/day			
Di-N-Octyl Phthalate	☐								mg/l	kg/day			
1,2-Diphenylhydrazine (as Azobenzer	☐								mg/l	kg/day			
Fluoranthene	☐								mg/l	kg/day			
Fluorene	☐								mg/l	kg/day			
Hexachlorobenzene	☐								mg/l	kg/day			
Hexachlorobutadiene	☐								mg/l	kg/day			
Hexachlorocyclopentadiene	☐								mg/l	kg/day			
Hexachloroethane	☐								mg/l	kg/day			
Indeno (1,2,3-cd) Pyrene	☐								mg/l	kg/day			
Isophorone	☐								mg/l	kg/day			
Napthalene	☐								mg/l	kg/day			
Nitrobenzene	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
N-Nitrosodimethylamine	☐								mg/l	kg/day			
N-Nitrosodi-N-Propylamine	☐								mg/l	kg/day			
N-Nitrosodiphenylamine	☐								mg/l	kg/day			
Phenanthrene	☐								mg/l	kg/day			
Pyrene	☐								mg/l	kg/day			
1,2,4-Trichlorobenzene	☐								mg/l	kg/day			
GC/MS Fraction - Pesticides													
Aldrin	☐								mg/l	kg/day			
Alpha-BHC	☐								mg/l	kg/day			
Beta-BHC	☐								mg/l	kg/day			
Gamma-BHC	☐								mg/l	kg/day			
Delta-BHC	☐								mg/l	kg/day			
Chlordane	☐								mg/l	kg/day			
4,4-DDT	☐								mg/l	kg/day			
4,4-DDE	☐								mg/l	kg/day			
4,4-DDD	☐								mg/l	kg/day			
Dieldrin	☐								mg/l	kg/day			
Alpha-Endosulfan	☐								mg/l	kg/day			
Beta-Endosulfan	☐								mg/l	kg/day			
Endosulfan Sulfate	☐								mg/l	kg/day			
Endrin	☐								mg/l	kg/day			
Endrin Aldehyde	☐								mg/l	kg/day			
Heptachlor	☐								mg/l	kg/day			
Heptachlor Epoxide	☐								mg/l	kg/day			
PCB-1242	☐								mg/l	kg/day			
PCB-1254	☐								mg/l	kg/day			
PCB-1221	☐								mg/l	kg/day			
PCB-1232	☐								mg/l	kg/day			
PCB-1248	☐								mg/l	kg/day			
PCB-1260	☐								mg/l	kg/day			
PCB-1016	☐								mg/l	kg/day			
Toxaphene	☐								mg/l	kg/day			

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

OUTFALL NO. 004

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Biochemical Oxygen Demand (BOD)	6	1.19			2.7	.36	3	mg/l	kg/day			
Chemical Oxygen Demand (COD)	180	5.42			97.8	13.23	3	mg/l	kg/day			
Total Organic Carbon (TOC)	10	.30			8.3	1.13	3	mg/l	kg/day			
Total Suspended Solids (TSS)	900	178.78			613.3	82.98	3	mg/l	kg/day			
Ammonia (as N)	2	.06			1.2	.17	3	mg/l	kg/day			
Flow	.05				.04		3	mgd	kg/day			
Temperature (Winter)	11.6				12.7		2	°C				
Temperature (Summer)	23.6						1	°C				
pH	9.4						3	Standard Units				

PART B - Mark 'X' in column 2-a for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT?	2. EFFLUENT a. MAXIMUM DAILY VALUE (1) CONCENTRATION	a. MAXIMUM DAILY VALUE (2) MASS	b. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION	b. MAXIMUM 30 DAY VALUE (if available) (2) MASS	c. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION	c. LONG TERM AVRG. VALUE (if available) (2) MASS	d. NO. OF ANALYSES	3. UNITS (specify if blank) (1) CONCENTRATION	3. UNITS (specify if blank) (2) MASS	4. INTAKE a. LONG TERM AVERAGE VALUE (1) CONCENTRATION	4. INTAKE a. LONG TERM AVERAGE VALUE (2) MASS	4. INTAKE d. NO. OF ANALYSES
Bromide	☐								mg/l	kg/day			
Chlorine, Total Residual	☐								mg/l	kg/day			
Color	☒	60						1	mg/l	kg/day			
Fecal Coliform	☒	98	17.36					1	mg/l	kg/day			
Fluoride	☒	5.9	.18			5.65	.76	2	mg/l	kg/day			
Nitrate-Nitrate (as N)	☒	.9	.16					1	mg/l	kg/day			
Nitrogen, Total Organic (as N)	☐								mg/l	kg/day			
Oil and Grease	☐								mg/l	kg/day			
Phosphorus (as P), Total	☒	.54	.10					1	mg/l	kg/day			
Radioactivity:(1) Alpha, Total	☐								mg/l	kg/day			
Radioactivity:(2) Beta, Total	☐								mg/l	kg/day			
Radioactivity:(3) Radium, Total	☐								mg/l	kg/day			
Radioactivity:(4) Radium 226, Total	☐								mg/l	kg/day			
Sulfate (as SO4)	☒	59.5	10.54			54.4	7.35	2	mg/l	kg/day			
Sulfide (as S)	☐								mg/l	kg/day			
Sulfite (as SO3)	☐								mg/l	kg/day			
Surfactants	☐								mg/l	kg/day			
Aluminum, Total	☒	7.3	1.29					1	mg/l	kg/day			
Barium, Total	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
Boron, Total	X	.3	.05					1	mg/l	kg/day			
Cobalt, Total									mg/l	kg/day			
Iron, Total	X	33.6	6.67			20.7	2.8	3	mg/l	kg/day			
Magnesium, Total	X	11.9	2.36			9.7	1.32	3	mg/l	kg/day			
Molybdenum, Total									mg/l	kg/day			
Manganese, Total	X	.88	.17			.69	.09	3	mg/l	kg/day			
Tin, Total									mg/l	kg/day			
Titanium, Total	X	.14	.02					1	mg/l	kg/day			

PART C - If you are primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark 'X' in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and non required GC/MS fractions), mark 'X' in column 2-b for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2, 4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the resutls of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
Metals, Cyanids, and Total Phenols													
Antimony, Total									mg/l	kg/day			
Arsenic, Total	X	.013	0			.01	0	3	mg/l	kg/day			
Beryllium, Total									mg/l	kg/day			
Cadmium, Total	X	.003	0			.001	0	3	mg/l	kg/day			
Chromium, Total	X	.05	.01			.03	0	3	mg/l	kg/day			
Copper, Total	X	.04	.01			.02	0	3	mg/l	kg/day			
Lead, Total	X	.05	.01			.03	0	3	mg/l	kg/day			
Mercury, Total	X	.0002	0			0	0	3	mg/l	kg/day			
Nickel, Total									mg/l	kg/day			
Selenium, Total									mg/l	kg/day			
Silver, Total									mg/l	kg/day			
Thallium, Total									mg/l	kg/day			
Zinc, Total	X	.42	.01			.34	.05	3	mg/l	kg/day			
Cyanide, Total									mg/l	kg/day			
Phenols, Total									mg/l	kg/day			
Dioxin													
2,3,7,8-Tetrachlorodibenzo-P-Dioxin									mg/l	kg/day			
GC/MS Fraction - Volatile Compounds													
Acrolein									mg/l	kg/day			
Acrylonitrile									mg/l	kg/day			
Benzene									mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Volatile Compounds													
Bis (Chloromethyl) Ether	☐								mg/l	kg/day			
Bromoform	☐								mg/l	kg/day			
Carbon Tetrachloride	☐								mg/l	kg/day			
Chlorobenzene	☐								mg/l	kg/day			
Chlorodibromomethane	☐								mg/l	kg/day			
Chloroethane	☐								mg/l	kg/day			
2-Chloroethylvinyl Ether	☐								mg/l	kg/day			
Chloroform	☐								mg/l	kg/day			
Dichlorobromomethane	☐								mg/l	kg/day			
Dichlorodiflouromethane	☐								mg/l	kg/day			
1,1-Dichloroethane	☐								mg/l	kg/day			
1,2-Dichloroethane	☐								mg/l	kg/day			
1,1-Dichloroethylene	☐								mg/l	kg/day			
1,2-Dichloropropane	☐								mg/l	kg/day			
1,3-Dichloropropylene	☐								mg/l	kg/day			
Ethylbenzene	☐								mg/l	kg/day			
Methyl Bromide	☐								mg/l	kg/day			
Methyl Chloride	☐								mg/l	kg/day			
Methylene Chloride	☐								mg/l	kg/day			
1,1,2,2-Tetrachloroethane	☐								mg/l	kg/day			
Tetrachloroethylene	☐								mg/l	kg/day			
Toluene	☐								mg/l	kg/day			
1,2-Transdichloroethylene	☐								mg/l	kg/day			
1,1,1-Trichloroethane	☐								mg/l	kg/day			
1,1,2-Trichloroethane	☐								mg/l	kg/day			
Trichloroethylene	☐								mg/l	kg/day			
Trichlorofluoromethane	☐								mg/l	kg/day			
Vinyl Chloride	☐								mg/l	kg/day			
GC/MS Fraction - Acid Compounds													
2-Chlorophenol	☐								mg/l	kg/day			
2,4-Dichlorophenol	☐								mg/l	kg/day			
2,4-Dimethyphenol	☐								mg/l	kg/day			
4,6-Dinitro-O-Cresol	☐								mg/l	kg/day			
2,4-Dinitrophenol	☐								mg/l	kg/day			
2-Nitrophenol	☐								mg/l	kg/day			
4-Nitrophenol	☐								mg/l	kg/day			
P-Chloro-M-Cresol	☐								mg/l	kg/day			
Pentachlorophenol	☐								mg/l	kg/day			
Phenol	☐								mg/l	kg/day			
2,4,6-Trichlorophenol	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
Acenaphthene	☐								mg/l	kg/day			
Acenaphtylene	☐								mg/l	kg/day			
Anthracene	☐								mg/l	kg/day			
Benzidine	☐								mg/l	kg/day			
Benzo (a) Anthracene	☐								mg/l	kg/day			
Benzo (a) Pyrene	☐								mg/l	kg/day			
Benzofluoranthene	☐								mg/l	kg/day			
Benzo (ghi) Perylene	☐								mg/l	kg/day			
Benzo (k) Fluoranthene	☐								mg/l	kg/day			
Bis (2-Chloroethoxy) Methane	☐								mg/l	kg/day			
Bis (2-Chloroethyl) Ether	☐								mg/l	kg/day			
Bis (2-Chloroisopropyl) Ether	☐								mg/l	kg/day			
Bis (2-Ehtylhexyl) Phthalate	☐								mg/l	kg/day			
4-Bromophenyl Phenyl	☐								mg/l	kg/day			
Butyl Benzyl Phthalate	☐								mg/l	kg/day			
2-Chloronaphthalene	☐								mg/l	kg/day			
4-Chlorophenyl Phenyl Ether	☐								mg/l	kg/day			
Chrysene	☐								mg/l	kg/day			
Dibenzo (a,h) Anthracene	☐								mg/l	kg/day			
1,2,-Dichlorobenzene	☐								mg/l	kg/day			
1,3-Dicholorobenzene	☐								mg/l	kg/day			
1,4-Dichlorobenzene	☐								mg/l	kg/day			
3,3-Dichlorobenzidine	☐								mg/l	kg/day			
Diethyl Phthalate	☐								mg/l	kg/day			
Dimethyl Phthalate	☐								mg/l	kg/day			
Di-N-Butyl Phthlate	☐								mg/l	kg/day			
2,4-Dinitrotoluene	☐								mg/l	kg/day			
2,6-Dinitrotoluene	☐								mg/l	kg/day			
Di-N-Octyl Phthalate	☐								mg/l	kg/day			
1,2-Diphenylhydrazine (as Azobenzer	☐								mg/l	kg/day			
Fluoranthene	☐								mg/l	kg/day			
Fluorene	☐								mg/l	kg/day			
Hexachlorobenzene	☐								mg/l	kg/day			
Hexachlorobutadiene	☐								mg/l	kg/day			
Hexachlorocyclopentadiene	☐								mg/l	kg/day			
Hexachloroethane	☐								mg/l	kg/day			
Indeno (1,2,3-cd) Pyrene	☐								mg/l	kg/day			
Isophorone	☐								mg/l	kg/day			
Napthalene	☐								mg/l	kg/day			
Nitrobenzene	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT						d. NO. OF ANALYSES	3. UNITS (specify if blank)		4. INTAKE		d. NO. OF ANALYSES
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)					a. LONG TERM AVERAGE VALUE		
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
N-Nitrosodimethylamine	☐								mg/l	kg/day			
N-Nitrosodi-N-Propylamine	☐								mg/l	kg/day			
N-Nitrosodiphenylamine	☐								mg/l	kg/day			
Phenanthrene	☐								mg/l	kg/day			
Pyrene	☐								mg/l	kg/day			
1,2,4-Trichlorobenzene	☐								mg/l	kg/day			
GC/MS Fraction - Pesticides													
Aldrin	☐								mg/l	kg/day			
Alpha-BHC	☐								mg/l	kg/day			
Beta-BHC	☐								mg/l	kg/day			
Gamma-BHC	☐								mg/l	kg/day			
Delta-BHC	☐								mg/l	kg/day			
Chlordane	☐								mg/l	kg/day			
4,4-DDT	☐								mg/l	kg/day			
4,4-DDE	☐								mg/l	kg/day			
4,4-DDD	☐								mg/l	kg/day			
Dieldrin	☐								mg/l	kg/day			
Alpha-Endosulfan	☐								mg/l	kg/day			
Beta-Endosulfan	☐								mg/l	kg/day			
Endosulfan Sulfate	☐								mg/l	kg/day			
Endrin	☐								mg/l	kg/day			
Endrin Aldehyde	☐								mg/l	kg/day			
Heptachlor	☐								mg/l	kg/day			
Heptachlor Epoxide	☐								mg/l	kg/day			
PCB-1242	☐								mg/l	kg/day			
PCB-1254	☐								mg/l	kg/day			
PCB-1221	☐								mg/l	kg/day			
PCB-1232	☐								mg/l	kg/day			
PCB-1248	☐								mg/l	kg/day			
PCB-1260	☐								mg/l	kg/day			
PCB-1016	☐								mg/l	kg/day			
Toxaphene	☐								mg/l	kg/day			

V. INTAKE AND EFFLUENT CHARACTERISTICS *(continued from page 3 of Form 2-C)*

OUTFALL NO. 005

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

1. POLLUTANT	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
	a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
Biochemical Oxygen Demand (BOD)	0				0		3	mg/l	kg/day			
Chemical Oxygen Demand (COD)	15.1	.58			5	.19	3	mg/l	kg/day			
Total Organic Carbon (TOC)	8	.31			6.7	.25	3	mg/l	kg/day			
Total Suspended Solids (TSS)	140	5.34			56	2.14	3	mg/l	kg/day			
Ammonia (as N)	.2	.01			.13	.01	3	mg/l	kg/day			
Flow	.04				.04		3	mgd	kg/day			
Temperature (Winter)	2.8						1	°C				
Temperature (Summer)	24.1				23.15		2	°C				
pH	8						3	Standard Units				

PART B - Mark 'X' in column 2-a for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-b for each pollutant you believe to be absent. If you mark column 2a for any pollutant which is limited either directly, or indirectly but expressly, in an effluent limitations guideline, you must provide the results of at least one analysis for that pollutant. For other pollutants for which you mark column 2a, you must provide quantitative data or an explanation of their presence in your discharge. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
Bromide	☐								mg/l	kg/day			
Chlorine, Total Residual	☒	.04	.001					1	mg/l	kg/day			
Color	☒	10						1	mg/l	kg/day			
Fecal Coliform	☐								mg/l	kg/day			
Fluoride	☒	1.8	.07			1.67	.06	3	mg/l	kg/day			
Nitrate-Nitrate (as N)	☒	.8	.03					1	mg/l	kg/day			
Nitrogen, Total Organic (as N)	☐								mg/l	kg/day			
Oil and Grease	☐								mg/l	kg/day			
Phosphorus (as P), Total	☐								mg/l	kg/day			
Radioactivity:(1) Alpha, Total	☐								mg/l	kg/day			
Radioactivity:(2) Beta, Total	☐								mg/l	kg/day			
Radioactivity:(3) Radium, Total	☐								mg/l	kg/day			
Radioactivity:(4) Radium 226, Total	☐								mg/l	kg/day			
Sulfate (as SO4)	☒	85	3.24			80.2	3.06	3	mg/l	kg/day			
Sulfide (as S)	☐								mg/l	kg/day			
Sulfite (as SO3)	☐								mg/l	kg/day			
Surfactants	☐								mg/l	kg/day			
Aluminum, Total	☒	.39	.01					1	mg/l	kg/day			
Barium, Total	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
Boron, Total	X	.28	.01					1	mg/l	kg/day			
Cobalt, Total									mg/l	kg/day			
Iron, Total	X	2.6	.1			1.7	.07	3	mg/l	kg/day			
Magnesium, Total	X	37.5	1.43			32	1.22	3	mg/l	kg/day			
Molybdenum, Total									mg/l	kg/day			
Manganese, Total	X	.12	.005			.1	.004	3	mg/l	kg/day			
Tin, Total									mg/l	kg/day			
Titanium, Total									mg/l	kg/day			

PART C - If you are primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark 'X' in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and non required GC/MS fractions), mark 'X' in column 2-b for each pollutant you know or have reason to believe is present. Mark 'X' in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2, 4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the resutls of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table for each outfall. See instructions for additional details and requirements.

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
Metals, Cyanids, and Total Phenols													
Antimony, Total									mg/l	kg/day			
Arsenic, Total									mg/l	kg/day			
Beryllium, Total									mg/l	kg/day			
Cadmium, Total									mg/l	kg/day			
Chromium, Total									mg/l	kg/day			
Copper, Total									mg/l	kg/day			
Lead, Total									mg/l	kg/day			
Mercury, Total									mg/l	kg/day			
Nickel, Total									mg/l	kg/day			
Selenium, Total									mg/l	kg/day			
Silver, Total									mg/l	kg/day			
Thallium, Total									mg/l	kg/day			
Zinc, Total	X	.053	.002			.018	.0007	3	mg/l	kg/day			
Cyanide, Total									mg/l	kg/day			
Phenols, Total									mg/l	kg/day			
Dioxin													
2,3,7,8-Tetrachlorodibenzo-P-Dioxin									mg/l	kg/day			
GC/MS Fraction - Volatile Compounds													
Acrolein									mg/l	kg/day			
Acrylonitrile									mg/l	kg/day			
Benzene									mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Volatile Compounds													
Bis (Chloromethyl) Ether	☐								mg/l	kg/day			
Bromoform	☐								mg/l	kg/day			
Carbon Tetrachloride	☐								mg/l	kg/day			
Chlorobenzene	☐								mg/l	kg/day			
Chlorodibromomethane	☐								mg/l	kg/day			
Chloroethane	☐								mg/l	kg/day			
2-Chloroethylvinyl Ether	☐								mg/l	kg/day			
Chloroform	☐								mg/l	kg/day			
Dichlorobromomethane	☐								mg/l	kg/day			
Dichlorodiflouromethane	☐								mg/l	kg/day			
1,1-Dichloroethane	☐								mg/l	kg/day			
1,2-Dichloroethane	☐								mg/l	kg/day			
1,1-Dichloroethylene	☐								mg/l	kg/day			
1,2-Dichloropropane	☐								mg/l	kg/day			
1,3-Dichloropropylene	☐								mg/l	kg/day			
Ethylbenzene	☐								mg/l	kg/day			
Methyl Bromide	☐								mg/l	kg/day			
Methyl Chloride	☐								mg/l	kg/day			
Methylene Chloride	☐								mg/l	kg/day			
1,1,2,2-Tetrachloroethane	☐								mg/l	kg/day			
Tetrachloroethylene	☐								mg/l	kg/day			
Toluene	☐								mg/l	kg/day			
1,2-Transdichloroethylene	☐								mg/l	kg/day			
1,1,1-Trichloroethane	☐								mg/l	kg/day			
1,1,2-Trichloroethane	☐								mg/l	kg/day			
Trichloroethylene	☐								mg/l	kg/day			
Trichlorofluoromethane	☐								mg/l	kg/day			
Vinyl Chloride	☐								mg/l	kg/day			
GC/MS Fraction - Acid Compounds													
2-Chlorophenol	☐								mg/l	kg/day			
2,4-Dichlorophenol	☐								mg/l	kg/day			
2,4-Dimethyphenol	☐								mg/l	kg/day			
4,6-Dinitro-O-Cresol	☐								mg/l	kg/day			
2,4-Dinitrophenol	☐								mg/l	kg/day			
2-Nitrophenol	☐								mg/l	kg/day			
4-Nitrophenol	☐								mg/l	kg/day			
P-Chloro-M-Cresol	☐								mg/l	kg/day			
Pentachlorophenol	☐								mg/l	kg/day			
Phenol	☐								mg/l	kg/day			
2,4,6-Trichlorophenol	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
Acenaphthene	☐								mg/l	kg/day			
Acenaphtylene	☐								mg/l	kg/day			
Anthracene	☐								mg/l	kg/day			
Benzidine	☐								mg/l	kg/day			
Benzo (a) Anthracene	☐								mg/l	kg/day			
Benzo (a) Pyrene	☐								mg/l	kg/day			
Benzofluoranthene	☐								mg/l	kg/day			
Benzo (ghi) Perylene	☐								mg/l	kg/day			
Benzo (k) Fluoranthene	☐								mg/l	kg/day			
Bis (2-Chloroethoxy) Methane	☐								mg/l	kg/day			
Bis (2-Chloroethyl) Ether	☐								mg/l	kg/day			
Bis (2-Chloroisopropyl) Ether	☐								mg/l	kg/day			
Bis (2-Ehtylhexyl) Phthalate	☐								mg/l	kg/day			
4-Bromophenyl Phenyl	☐								mg/l	kg/day			
Butyl Benzyl Phthalate	☐								mg/l	kg/day			
2-Chloronaphthalene	☐								mg/l	kg/day			
4-Chlorophenyl Phenyl Ether	☐								mg/l	kg/day			
Chrysene	☐								mg/l	kg/day			
Dibenzo (a,h) Anthracene	☐								mg/l	kg/day			
1,2,-Dichlorobenzene	☐								mg/l	kg/day			
1,3-Dicholorobenzene	☐								mg/l	kg/day			
1,4-Dichlorobenzene	☐								mg/l	kg/day			
3,3-Dichlorobenzidine	☐								mg/l	kg/day			
Diethyl Phthalate	☐								mg/l	kg/day			
Dimethyl Phthalate	☐								mg/l	kg/day			
Di-N-Butyl Phthlate	☐								mg/l	kg/day			
2,4-Dinitrotoluene	☐								mg/l	kg/day			
2,6-Dinitrotoluene	☐								mg/l	kg/day			
Di-N-Octyl Phthalate	☐								mg/l	kg/day			
1,2-Diphenylhydrazine (as Azobenzer	☐								mg/l	kg/day			
Fluoranthene	☐								mg/l	kg/day			
Fluorene	☐								mg/l	kg/day			
Hexachlorobenzene	☐								mg/l	kg/day			
Hexachlorobutadiene	☐								mg/l	kg/day			
Hexachlorocyclopentadiene	☐								mg/l	kg/day			
Hexachloroethane	☐								mg/l	kg/day			
Indeno (1,2,3-cd) Pyrene	☐								mg/l	kg/day			
Isophorone	☐								mg/l	kg/day			
Napthalene	☐								mg/l	kg/day			
Nitrobenzene	☐								mg/l	kg/day			

1. POLLUTANT	2. PRE-SENT ?	2. EFFLUENT							3. UNITS (specify if blank)		4. INTAKE		
		a. MAXIMUM DAILY VALUE		b. MAXIMUM 30 DAY VALUE (if available)		c. LONG TERM AVRG. VALUE (if available)		d. NO. OF ANALYSES			a. LONG TERM AVERAGE VALUE		d. NO. OF ANALYSES
		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	
GC/MS Fraction - Base/Neutral Compounds													
N-Nitrosodimethylamine	☐								mg/l	kg/day			
N-Nitrosodi-N-Propylamine	☐								mg/l	kg/day			
N-Nitrosodiphenylamine	☐								mg/l	kg/day			
Phenanthrene	☐								mg/l	kg/day			
Pyrene	☐								mg/l	kg/day			
1,2,4-Trichlorobenzene	☐								mg/l	kg/day			
GC/MS Fraction - Pesticides													
Aldrin	☐								mg/l	kg/day			
Alpha-BHC	☐								mg/l	kg/day			
Beta-BHC	☐								mg/l	kg/day			
Gamma-BHC	☐								mg/l	kg/day			
Delta-BHC	☐								mg/l	kg/day			
Chlordane	☐								mg/l	kg/day			
4,4-DDT	☐								mg/l	kg/day			
4,4-DDE	☐								mg/l	kg/day			
4,4-DDD	☐								mg/l	kg/day			
Dieldrin	☐								mg/l	kg/day			
Alpha-Endosulfan	☐								mg/l	kg/day			
Beta-Endosulfan	☐								mg/l	kg/day			
Endosulfan Sulfate	☐								mg/l	kg/day			
Endrin	☐								mg/l	kg/day			
Endrin Aldehyde	☐								mg/l	kg/day			
Heptachlor	☐								mg/l	kg/day			
Heptachlor Epoxide	☐								mg/l	kg/day			
PCB-1242	☐								mg/l	kg/day			
PCB-1254	☐								mg/l	kg/day			
PCB-1221	☐								mg/l	kg/day			
PCB-1232	☐								mg/l	kg/day			
PCB-1248	☐								mg/l	kg/day			
PCB-1260	☐								mg/l	kg/day			
PCB-1016	☐								mg/l	kg/day			
Toxaphene	☐								mg/l	kg/day			

EPA ID Number

FORM 2F NPDES

U.S. ENVIRONMENTAL PROTECTION AGENCY

EPA Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

I. Outfall Location

OUTFALL NUMBER	LATITUDE DEG.	LATITUDE MIN.	LATITUDE SEC.	LONGITUDE DEG.	LONGITUDE MIN.	LONGITUDE SEC.	RECEIVING WATER
001	41	17	18	84	19	1	Maumee River
002	41	17	39	84	18	58	Maumee River
004	41	17	38	84	19	3	Maumee River
005	41	17	35	84	17	56	Maumee River

II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implication schedule for the construction, upgrading, or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative, or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

ite Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the discharge area of each storm water outfall; paved areas and buildings within the drainage area or each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Please view the Stormwater file for the requested information

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored, or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

ap metals are stored outside for recycling and managed properly. Sand and dust from foundry dust collectors are stored outside for recycling and disposal in the on-site landfill. Dust is properly managed per inspections and local job procedures.

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Please view the Stormwater file for the requested information.

V. Nonstormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharges from these outfall(s) are being identified in either an accompanying Form 2C or Form 2E application for the outfall.

NAME AND OFFICIAL TITLE	SIGNATURE	DATE SIGNED
Thomas W Neelands Global Director	Robert S. Gump	03/27/2008

Provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

There is an annual stormwater sampling event for Outfalls #004 and #005. This stormwater sampling event is sampled and analyzed according to the requirements listed in the NPDES permit. During this sampling event a grab and a composite sample of collected stormwater is analyzed for the parameters listed in the NPDES permit.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

No reportable spills or leaks have occured in the last three years.

VII. Discharge Information

A, B, C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided.
Tables VII-A, VII-B, VII-C are included on separate sheets numbered VII-1 and VII-2.

Part D - Provide data for the storm event(s) which resulted in the maximum values for the flow-weighted composite sample.

Date of Storm Event	Duration (in minutes)	Total rainfall during storm event (in inches)	Number of hours between beginning of storm measured and end of previous measureable rain event	Maximum flow rate during rain event (in gallons/minute)	Total flow from rain event (in gallons)
07/11/2006	4320	3	120	200	60216
11/12/2007	2880	1	120	100	7957
01/08/2008	2880	1	120	100	90905
06/08/2006	1440	0	72	10	10080
09/08/2007	7200	1	288	10	50400
01/01/2008	2880	0	72	10	20160
01/08/2008	2880	1	120	50	112717

Provide a description of the method of flow measurement or estimate.

The flow rate on Outfall 004 is measured using a flowmeter. The flow rate on Outfall 005 is a calculated estimate.

E. Potential discharges not covered by analysis -- Is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or by product?

○ Yes *(list all such pollutants below)* ● No *(go to Section IX)*

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last three years?

● Yes *(list all such pollutants below)* ○ No *(go to Section IX)*

As part of the current NPDES permit, the plant has conducted annual evaluations of acute and chronic toxicity. The results of the testing indicate that the plant effluent is less than 1.0 TUa and less than 1.0 TUc. The plant has used the following environmental laboratory to perform the effluent toxicity testing for the plant's NPDES requirements.

Global Environmental Consulting, LLC
223 W. Michigan Ave.
Clinton, MI 49236
(517) 456-6881

IX. Contract Analysis Information

Were any of the analysis reported in Item VII performed by a contract laboratory or consulting firm?

● Yes *(list the name, address, and telephone number of, and pollutants analyzed by each such laboratory or firm below)* ○ No *(go to section X)*

NAME	ADDRESS	TELEPHONE (area code & no.)
Test America	4101 Shuffel Drive NW	(330) 497-9396
	North Canton OH 44720	

X. CERTIFICATION

POLLUTANTS ANALYZED
Biochemical Oxygen Demand
Chemical Oxygen Demand (CC
Total Organic Carbon (TOC)
Total Suspended Solids (TS
pH
Nitrate-Nitrite (as N)
Oil and Grease
Phosphorus (as P), Total
Nitrogen, Total Kjeldahl
Cadmium, Total (Cd)
Chlorine, Total Residual
Copper, Total (Cu)
Cyanide, Total
Lead, Total (Pb)
Mercury, Total
Selenium, Total (Se)
Arsenic, Total
Magnesium, Total
Bromide
Color
Fecal Coliform
Flouride
Nitrogen, Total Organic (a
Sulphate (as SO4)
Sulphide (as S)
Surfactants
Aluminum, Total
Barium, Total
Boron, Total
Cobalt, Total
Iron, Total
Molybdenum, Total
Manganese, Total
Tin, Total
Titanium, Total
Antimony, Total
Beryllium, Total
Chromium, Total
Nickel, Total
Silver, Total
Thallium, Total
Zinc, Total
Phenols, Total

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME & OFFICIAL TITLE (type or print)	B. PHONE NO. (area code & no.)
Thomas W. Neekamp Global Director	248-753-4296
C. SIGNATURE Ruben S. Camp	D. DATE SIGNED 03/27/2008

Item VII A, B & C *(continued from page 2 of Form 2-F)* [redacted] 001

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. Press F1 for additional details.

Pollutant	CAS Number	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Biochemical Oxygen Demand (BO		mg/l	kg/day	mg/l	kg/day		
Chemical Oxygen Demand (COD)		mg/l	kg/day	mg/l	kg/day		
Total Suspended Solids (TSS)		mg/l	kg/day	mg/l	kg/day		
pH							
Nitrate-Nitrite (as N)		mg/l	kg/day	mg/l	kg/day		
Oil and Grease		mg/l	kg/day	mg/l	kg/day		
Phosphorus (as P), Total	7723-14-0	mg/l	kg/day	mg/l	kg/day		
Nitrogen, Total Kjeldahl		mg/l	kg/day	mg/l	kg/day		

Part B - List each parameter that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. Press F1 for additional details and instructions.

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know of have reason to believe is present. Press F1 for the tables and for additional details and requirements. Complete one table for each outfall.

Item VII A, B & C *(continued from page 2 of Form 2-F)*

OUTFALL NO. 002

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. Press F1 for additional details.

Pollutant	CAS Number	Maximum Values *(include units)*		Average Values *(include units)*		Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Biochemical Oxygen Demand (BO		mg/l	kg/day	mg/l	kg/day		
Chemical Oxygen Demand (COD)		mg/l	kg/day	mg/l	kg/day		
Total Suspended Solids (TSS)		mg/l	kg/day	mg/l	kg/day		
pH							
Nitrate-Nitrite (as N)		mg/l	kg/day	mg/l	kg/day		
Oil and Grease		mg/l	kg/day	mg/l	kg/day		
Phosphorus (as P), Total	7723-14-0	mg/l	kg/day	mg/l	kg/day		
Nitrogen, Total Kjeldahl		mg/l	kg/day	mg/l	kg/day		

Part B - List each parameter that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. Press F1 for additional details and instructions.

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know of have reason to believe is present. Press F1 for the tables and for additional details and requirements. Complete one table for each outfall.

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. Press F1 for additional details.

Pollutant	CAS Number	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Biochemical Oxygen Demand (BO		6 mg/l	1 kg/day	3 mg/l	0 kg/day	3	
Chemical Oxygen Demand (COD)		180 mg/l	5 kg/day	98 mg/l	13 kg/day	3	
Total Suspended Solids (TSS)		900 mg/l	179 kg/day	613 mg/l	83 kg/day	3	
pH		9		9		3	
Nitrate-Nitrite (as N)		1 mg/l	0 kg/day	mg/l	kg/day	1	
Oil and Grease		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Phosphorus (as P), Total	7723-14-0	1 mg/l	0 kg/day	mg/l	kg/day	1	
Nitrogen, Total Kjeldahl		5 mg/l	1 kg/day	4 mg/l	1 kg/day	3	

Part B - List each parameter that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. Press F1 for additional details and instructions.

Pollutant	CAS Number	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Arsenic, Total (As)	7440382	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Barium Total (Ba)	7440393	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Cadmium, Total (Cd)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Carbon, Total Organic (TOC)		10 mg/l	0 kg/day	8 mg/l	1 kg/day	3	
Chromium, Total		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Copper, Total (Cu)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Cyanide, Total	40	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Lead, Total (Pb)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Mercury, Total (Hg)	7439976	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Nitrogen, Ammonia (NH3)	7664-41-7	2 mg/l	0 kg/day	1 mg/l	0 kg/day	3	
Selenium, Total (Se)	7782492	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Silver, Total (Ag)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know of have reason to believe is present. Press F1 for the tables and for additional details and requirements. Complete one table for each outfall.

Pollutant	CAS Number	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Aluminum, Total	7429-90-5	7 mg/l	1 kg/day	mg/l	kg/day	1	
Boron, Total	7440-42-8	0 mg/l	0 kg/day	mg/l	kg/day	1	
Color		60 mg/l	kg/day	mg/l	kg/day	1	

Pollutant	CAS Number	Maximum Values (inc units)				Average Values (in units)				Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes		Flow-weighted Composite		Grab Sample Taken During First 20 Minutes		Flow-weighted Composite			
Fecal Coliform		98	mg/l	17	kg/day		mg/l		kg/day	1	
Flouride	16984-48-8	5	mg/l	0	kg/day	6	mg/l	1	kg/day	2	
Iron, Total	7439-89-6	34	mg/l	7	kg/day	21	mg/l	3	kg/day	3	
Magnesium, Total	7439-95-4	12	mg/l	2	kg/day	10	mg/l	1	kg/day	3	
Manganese, Total	7439-96-5	1	mg/l	0	kg/day	1	mg/l	0	kg/day	3	
Sulphate (as SO4)	14808-79-8	60	mg/l	11	kg/day	54	mg/l	7	kg/day	2	
Titanium, Total	7440-32-6	0	mg/l	0	kg/day		mg/l		kg/day	1	
Zinc, Total	7440-66-6	0	mg/l	0	kg/day	0	mg/l	0	kg/day	3	

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. Press F1 for additional details.

Pollutant	CAS Number	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Biochemical Oxygen Demand (BO		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Chemical Oxygen Demand (COD)		15 mg/l	1 kg/day	5 mg/l	0 kg/day	3	
Total Suspended Solids (TSS)		140 mg/l	5 kg/day	56 mg/l	2 kg/day	3	
pH		8		8		3	
Nitrate-Nitrite (as N)		1 mg/l	0 kg/day	mg/l	kg/day	1	
Oil and Grease		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Phosphorus (as P), Total	7723-14-0	0 mg/l	0 kg/day	mg/l	kg/day	1	
Nitrogen, Total Kjeldahl		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	

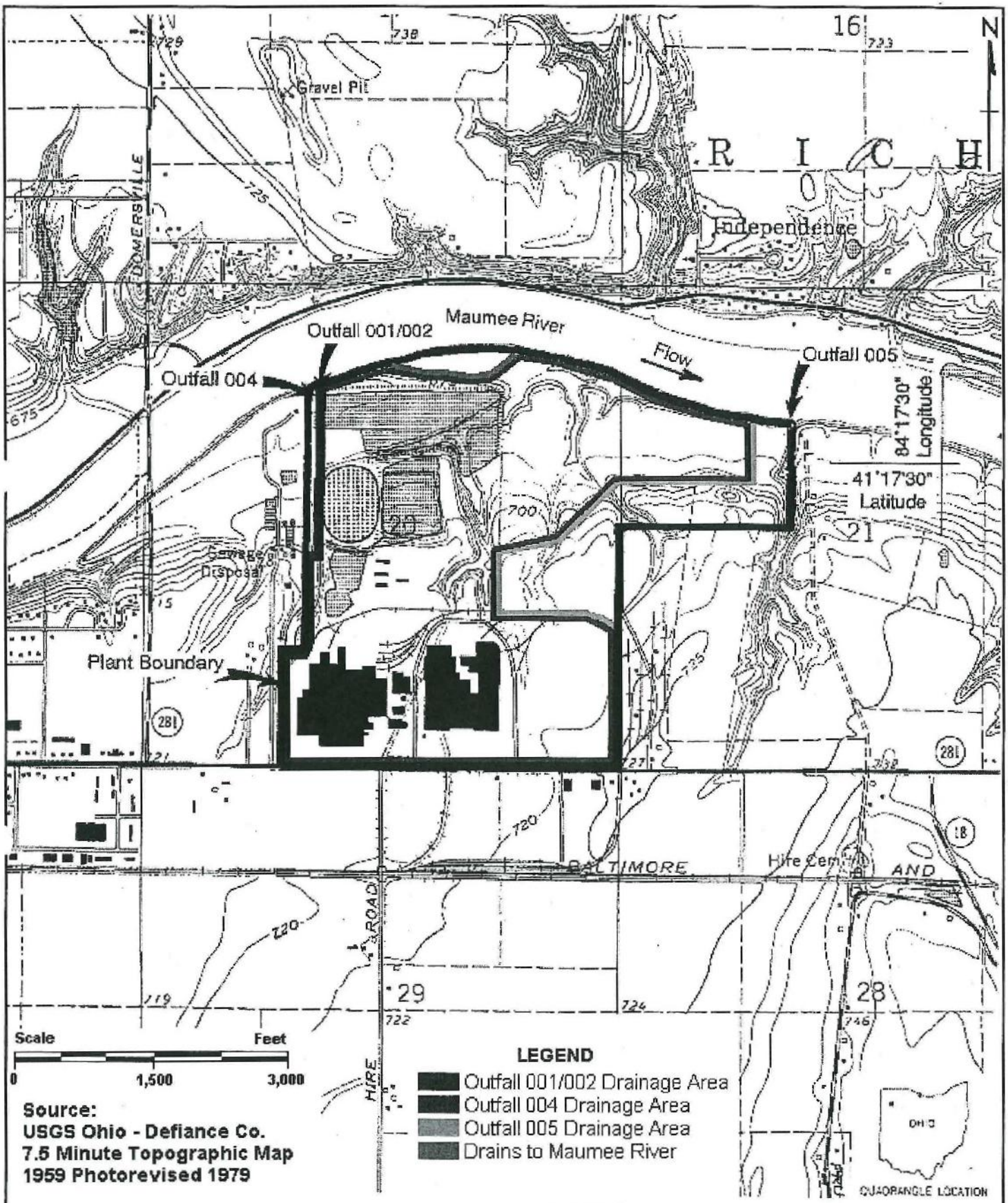
Part B - List each parameter that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. Press F1 for additional details and instructions.

Pollutant	CAS Number	Maximum Values (include units)		Average Values (include units)		Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes	Flow-weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-weighted Composite		
Arsenic, Total (As)	7440382	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Barium Total (Ba)	7440393	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Cadmium, Total (Cd)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Carbon, Total Organic (TOC)		8 mg/l	0 kg/day	7 mg/l	0 kg/day	3	
Chloride, Total		21 mg/l	1 kg/day	16 mg/l	1 kg/day	2	
Chromium, Total		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Copper, Total (Cu)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Cyanide, Total		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Fluoride, Total (F)		2 mg/l	0 kg/day	2 mg/l	0 kg/day	3	
Iron, Total (Fe)		3 mg/l	0 kg/day	2 mg/l	0 kg/day	3	
Lead, Total (Pb)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Magnesium, Total (Mg)	7439954	38 mg/l	1 kg/day	32 mg/l	1 kg/day	3	
Manganese, Total		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Mercury, Total (Hg)	7439976	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Nitrogen, Ammonia (NH3)	7664-41-7	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Phenolic 4AAP, Total		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Selenium, Total (Se)	7782492	0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Silver, Total (Ag)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	
Sulfate, (SO4)	14808798	85 mg/l	3 kg/day	80 mg/l	3 kg/day	3	
Zinc, Total (Zn)		0 mg/l	0 kg/day	0 mg/l	0 kg/day	3	

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know of have reason to believe is present. Press F1 for the tables and for additional details and

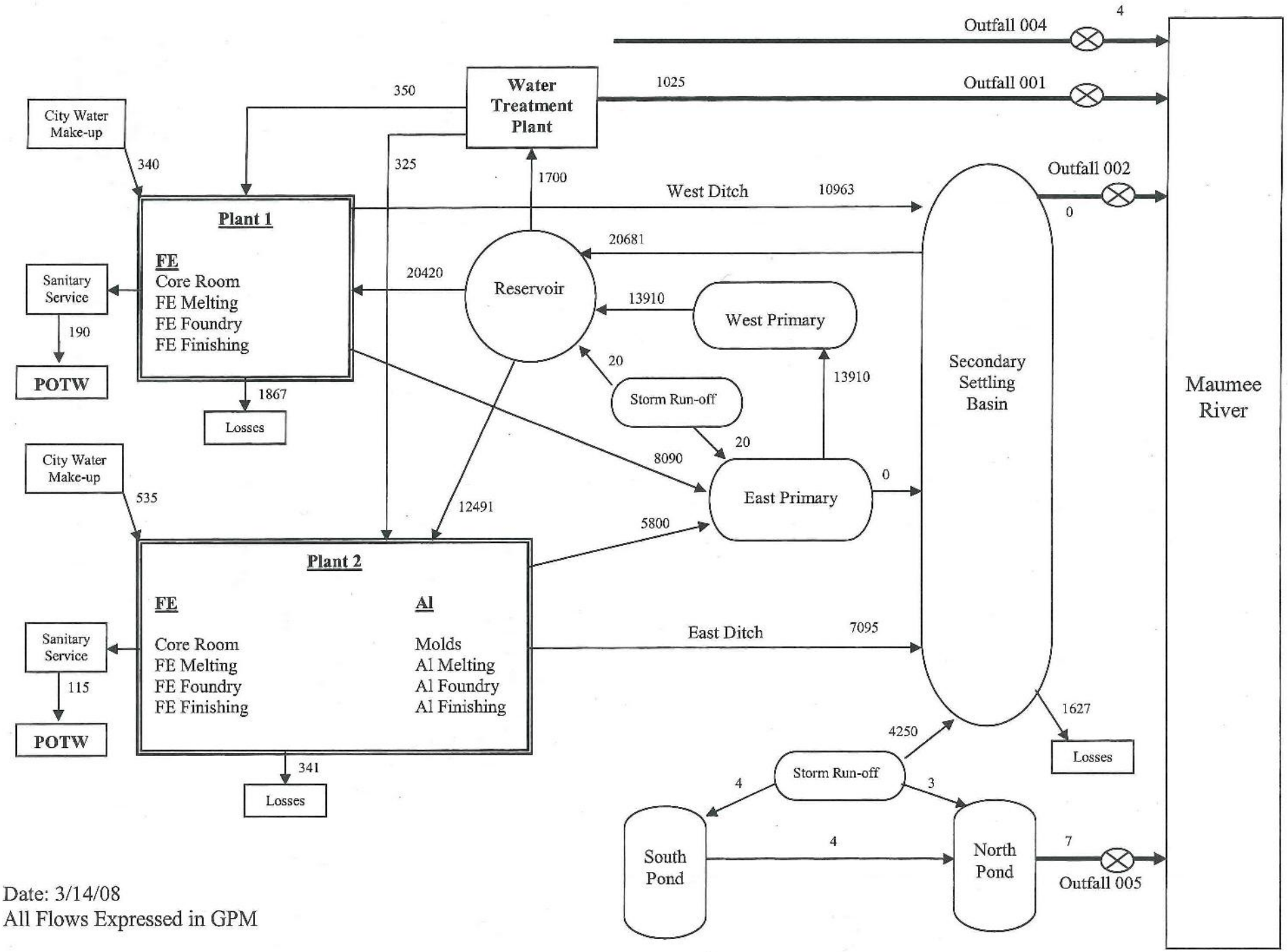
requirements. Complete one table for each outfall.

Pollutant	CAS Number	Maximum values (include units)				Average values (include units)				Number of Storm Events Sampled	Sources of Pollutants
		Grab Sample Taken During First 20 Minutes		Flow-weighted Composite		Grab Sample Taken During First 20 Minutes		Flow-weighted Composite			
Aluminum, Total	7429-90-5	0	mg/l	0	kg/day		mg/l		kg/day	1	
Boron, Total	7440-42-8	0	mg/l	0	kg/day		mg/l		kg/day	1	
Color		10	mg/l		kg/day		mg/l		kg/day	1	



WATERSYSTEMS			PROJECT NO.: 3598-64	**General Motors Corporation** **Defiance, Ohio**
DWN BY: MP	CHK'D BY SA	SCALE	FIGURE NO.: Figure 1	Topographic Map and Drainage Area
APPR BY:	DATE 07/29/98	FILE NAME Figure 1.ppt		

GMPT Defiance Water Balance



Date: 3/14/08
All Flows Expressed in GPM

OhioEPA
State of Ohio Environmental Protection Agency

DIVISION OF SURFACE WATER

Antidegradation Addendum

In accordance with Ohio Administrative Code 3745-1-05 (Antidegradation), additional information may be required to complete your application for a permit to install or NPDES permit. For any application that may result in an increase in the level of pollutants being discharged (NPDES and/or PTI)or for which there might be activity taking place within a stream bed, the processing of the permit(s) may be required to go through procedures as outlined in the antidegradation rule. The rule outlines procedures for public notification and participation as well as procedures pertaining to the levels of review necessary. The levels of review necessary depend on the degradation being considered/requested. The rule also outlines exclusions from portions of the application and review requirements and waivers that the Director may grant as specified in Section 3745-1-05(D) of the rule. Please complete the following questions. The answers provided will allow the Ohio EPA to determine if additional information is needed. **All projects that require both an NPDES and PTI should submit both applications simultaneously to avoid going through the antidegradation process separately for each permit.**

A. Applicant: General Motors Powertrain Defiance Plant

Facility Owner: General Motors Corporation

Facility Location (city and county): Defiance, Defiance County

Application or Plans Prepared By: Jaki White

Project Name: NPDES Renewal

NPDES Permit Number (if applicable): 2IN00004*HA

B. Antidegradation Applicability

Is the application for? (check as many as apply):

_____ Application with no direct surface water discharge (Projects that do not meet the applicability section of 3745-1-05(B)1, i.e., on-site disposal, extensions of sanitary sewers, spray irrigation, indirect discharger to POTW, etc.). (Complete Section E)

✓ Renewal NPDES application or PTI application with no requested increase in loading of currently permitted pollutants. (Complete Section E, Do not complete Sections C or D).

_____ PTI and NPDES application for a new wastewater treatment works that will discharge to a surface water. (Complete Sections C and E)

_____ An expansion/modification of an existing wastewater treatment works discharging to a surface water that will result in any of the following (PTI and NPDES):(Complete Sections C and E)

- addition of any pollutant not currently in the discharge, or
- an increase in mass or concentration of any pollutant currently in the discharge, or
- an increase in any current pollutant limitation in terms of mass or concentration.

Click to clear all entered information (on all 4 pages of this form) CLEAR

sewer service outlined in state or local water quality management planning documents and applicable facility planning documents.

b. List and describe all government and/or privately sponsored conservation projects that may have been or will be specifically targeted to improve water quality or enhance recreational opportunities on the affected water resource.

c. Provide a brief description below of all treatment/disposal alternatives evaluated for this application and their respective operational and maintenance needs. (If additional space is needed please attach additional sheets to the end of this addendum).

Preferred design alternative:

Non-degradation alternative(s):

Minimal degradation alternative(s):

Mitigative technique/measure(s):

At a minimum, the following information must be included in the report for each alternative evaluated.

d. Outline of the treatment/disposal system evaluated, including the costs associated with the equipment, installation, and continued operation and maintenance.

e. Identify the substances to be discharged, including the amount of regulated pollutants to be discharged in terms of mass and concentration.

f. Describe the reliability of the treatment/disposal system, including but not limited to the possibility of recurring operation and maintenance difficulties that would lead to increased degradation.

g. Describe any impacts to human health and the overall quality and value of the water resource.

h. Describe and provide an estimate of the important social and economic benefits to be realized through this proposed project. Include the number and types of jobs created and tax revenues generated.

i. Describe environmental benefits to be realized through this proposed project.

j. Describe and provide an estimate of the social and economic benefits that may be lost as a result of this project. Include the impacts on commercial and recreational use of the water resource.